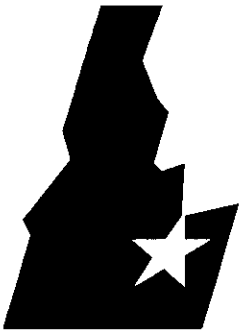

Idaho
National
Engineering
Laboratory

INEL-96/0305

August 1996

Post-Record of Decision Monitoring for the Test Reactor Area Perched Water System Operable Unit 2-12

Third Annual Technical Memorandum

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Idaho National Engineering Laboratory
Lockheed Martin Idaho Technologies Company
Idaho Falls, Idaho 83415

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ABSTRACT

This document presents 3 years of post-Record Of Decision groundwater monitoring data and a data evaluation for the Idaho National Engineering Laboratory Test Reactor Area Deep Perched Water System and the underlying Snake River Plain aquifer. The data were collected and evaluated according to a published monitoring plan. The purposes of the monitoring are to (a) verify the accuracy of contaminant-of-concern concentration trends in the Snake River Plain aquifer predicted by computer modeling and (b) evaluate the effect that discontinued discharge to the former Warm Waste Ponds has on concentrations of contaminants of concern in the aquifer and the deep perched water system.

Expectations of contaminant concentration patterns have been met in most cases. In some aquifer wells, model predicted rates of decline in tritium and chromium have not occurred, but concentrations have not statistically increased in those wells. Both tritium and chromium concentrations continue to be below predicted concentrations in the aquifer wells. It is recommended that the sampling schedule and number of constituents analyzed be modified based on the results of the initial 3 years of OU 2-12 monitoring. It is further recommended that monitoring continue at aquifer well TRA-8 and that monitoring be initiated at well TRA-6 to provide a more representative look at contaminant distribution in the aquifer.

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ACRONYMS

AMSL	Above mean sea level
ATR	Advanced Test Reactor
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CWP	Cold Waste Ponds
CP	Chemical Waste Ponds
DAR	Document action request
DRR	Document revision request
FFA/CO	Federal Facility Agreement/Consent Order
FPDWS	Federal Public Drinking Water Standard
DPWS	Deep Perched Water System
ETR	Engineering Test Reactor
ICPP	Idaho Chemical Processing Plant
INEL	Idaho National Engineering Laboratory
LMITCO	Lockheed Martin Idaho Technologies Company
MCL	Maximum Contaminant Limit
OU	Operable Unit
QA	Quality Assurance
RESL	Radiological and Environmental Sciences Laboratory
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SI	Scoping Investigation
SP	Sewage Ponds
SRP	Snake River Plain
TM	Technical Memorandum
TRA	Test Reactor Area
USGS	U.S. Geological Survey
UTL	Upper Tolerance Limit
WAG	Waste Area Group
WWP	Warm Waste Ponds

Post-Record of Decision Monitoring for the Test Reactor Area Perched Water System Operable Unit 2-12

1. INTRODUCTION

A series of infiltration ponds have operated at the Idaho National Engineering Laboratory (INEL) Test Reactor Area (TRA) since the 1950s for the purpose of receiving low-concentration contaminated wastewater. These are the Cold Waste Ponds (CWP), the former Warm Waste Ponds (WWP), the Chemical Waste Pond, the Sewage Ponds, and the Retention Basin. Infiltrating water from the ponds created a deep perched water system (DPWS) between the ponds and the underlying regional Snake River Plain (SRP) aquifer. Contaminants have migrated from the ponds to the perched water system and in some cases to the aquifer. Low-level radioactive waste discharges were discontinued on August 12, 1993, when the former Warm Waste Ponds were replaced with a lined evaporation pond. Residual amounts of contaminants remain in the soil column beneath the ponds, in the DPWS, and in the aquifer. A Remedial Investigation (RI) of the perched water system and the affected portion of the aquifer was completed in 1992 under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and a Federal Facility Agreement/Consent Order (FFA/CO) between the U.S. Department of Energy (DOE), the U.S. Environmental Protection Agency (EPA), and the Idaho State Department of Health and Welfare (DHW).

The Record of Decision (ROD) for the TRA Perched Water System, Operable Unit (OU) 2-12 at the INEL, was issued in December 1992. It was determined in the ROD (ROD, 1992) that no remedial action was necessary for the DPWS to ensure protection of human health and the environment. That decision was based on the results of human health and ecological risk assessments, which determined that conditions at the site pose no unacceptable risks to human health or the environment for expected or future use of the SRP aquifer beneath the DPWS at TRA. One of the assumptions for the no remedial action decision was that groundwater monitoring would be conducted to verify that contaminant concentration trends follow those predicted by a groundwater computer model. It was further stated in the ROD that a statutory review of this decision would be conducted by the three agencies within 3 years to ensure that adequate protection of human health and the environment continues to be provided (ROD, 1992).

1.1 Purpose

This technical memorandum presents the 3 years of post-ROD groundwater monitoring data and provides an evaluation of hydrologic and groundwater contaminant conditions for the INEL TRA Deep Perched Water System, OU 2-12, and the underlying aquifer. Conditions at the conclusion of the 3-year monitoring period are compared to conditions predicted by the 1992 OU 2-12 pre-ROD groundwater model. It is not the purpose of this technical memorandum to

present recommendations and conclusions regarding the effectiveness of the OU 2-12 ROD (i.e. protection of human health and the environment). That information will be provided in the OU 2-12 three-year report via the OU 2-13 Final Comprehensive RI/FS.

1.2 Background and Objectives of Post-ROD Monitoring

The post-ROD monitoring plan (Dames and Moore, 1993) provides the direction for implementing the ROD. The monitoring plan requires that a Technical Memorandum (TM) be prepared annually during the 3-year monitoring period to formally present and evaluate the data collected under the auspices of the plan. Future monitoring will be based on an evaluation of data from the 3-year monitoring period and the results of the OU 2-13 Waste Area Group (WAG) 2 comprehensive Remedial Investigation/Feasibility Study (RI/FS).

The objectives of post-ROD monitoring as stated in the monitoring plan and the ROD are to:

- Verify the accuracy of contaminant of concern concentration trends in the SRP aquifer predicted by computer modeling
- Evaluate the effect that discontinued discharge to the former Warm Waste Ponds have on contaminant-of-concern concentrations in the SRP aquifer and the DPWS
- Support the ROD alternative selected.

An additional an objective of this TM is to support the 3-year agency statutory review by providing an up-to-date set of data and data evaluations. Recommendations for continued monitoring are also included.

Three data analysis techniques were identified in the monitoring plan to support the project objectives as follows:

- Compare post-ROD monitoring concentrations to the model predicted concentrations.
- Evaluate concentration trends with respect to calculated tolerance intervals.
- Evaluate observed concentrations in response to discontinued discharge to the Warm Waste Ponds.

The first (Jessmore, 1994) and second (Arnett et al., 1995) TMs addressed the first and second year of post-ROD sampling, respectively. This TM is the third in the annual series.

1.3 Scope

Data and evaluations contained in this memorandum fulfill the requirements stated in Section 2.14 of the post-ROD monitoring plan (Dames and Moore, 1993). OU 2-12 data presented herein were collected during twelve rounds of sampling (July 1993 - April 1996). In addition, the U.S. Geological Survey (USGS) routinely collects water level and contaminant data across the INEL. Data collected by the USGS from more than 20 wells in the vicinity of TRA are also presented and evaluated to assist the agencies in determining whether post-ROD monitoring has fulfilled the objectives stated in the OU 2-12 monitoring plan and ROD, and to assist in preparing the OU 2-13 monitoring plan. OU 2-12 monitoring is anticipated to continue through the OU 2-13 Comprehensive RI/FS and ROD, currently scheduled for October, 1997. At that time, a decision will be made whether monitoring should continue under OU 2-13.

2. TRA GROUNDWATER MONITORING

For OU 2-12, groundwater monitoring in the TRA vicinity was performed according to the post-ROD monitoring plan. The USGS also monitors the groundwater at TRA as part of a routine, site-wide monitoring network. The two monitoring efforts are complementary in the number of wells sampled and the sample analyses.

2.1 OU 2-12 Groundwater Monitoring

The post-ROD groundwater monitoring network for OU 2-12 consists of six deep perched and three aquifer wells in the vicinity of TRA. Aquifer well TRA-8 was added to the OU 2-12 monitoring network for rounds 10 and 11 as recommended in the second OU 2-12 TM (Arnett et al., 1995). The location of these wells is shown in Figure 2-1. Figure 2-2 illustrates a generalized conceptual model of the shallow and deep perched water zones, and the SRP aquifer beneath TRA. The DPWS occurs on top of several low-permeability interbeds positioned approximately 140 to 150 ft below land surface. Water from the DPWS eventually recharges the SRP aquifer, approximately 300 ft below the deep perched system.

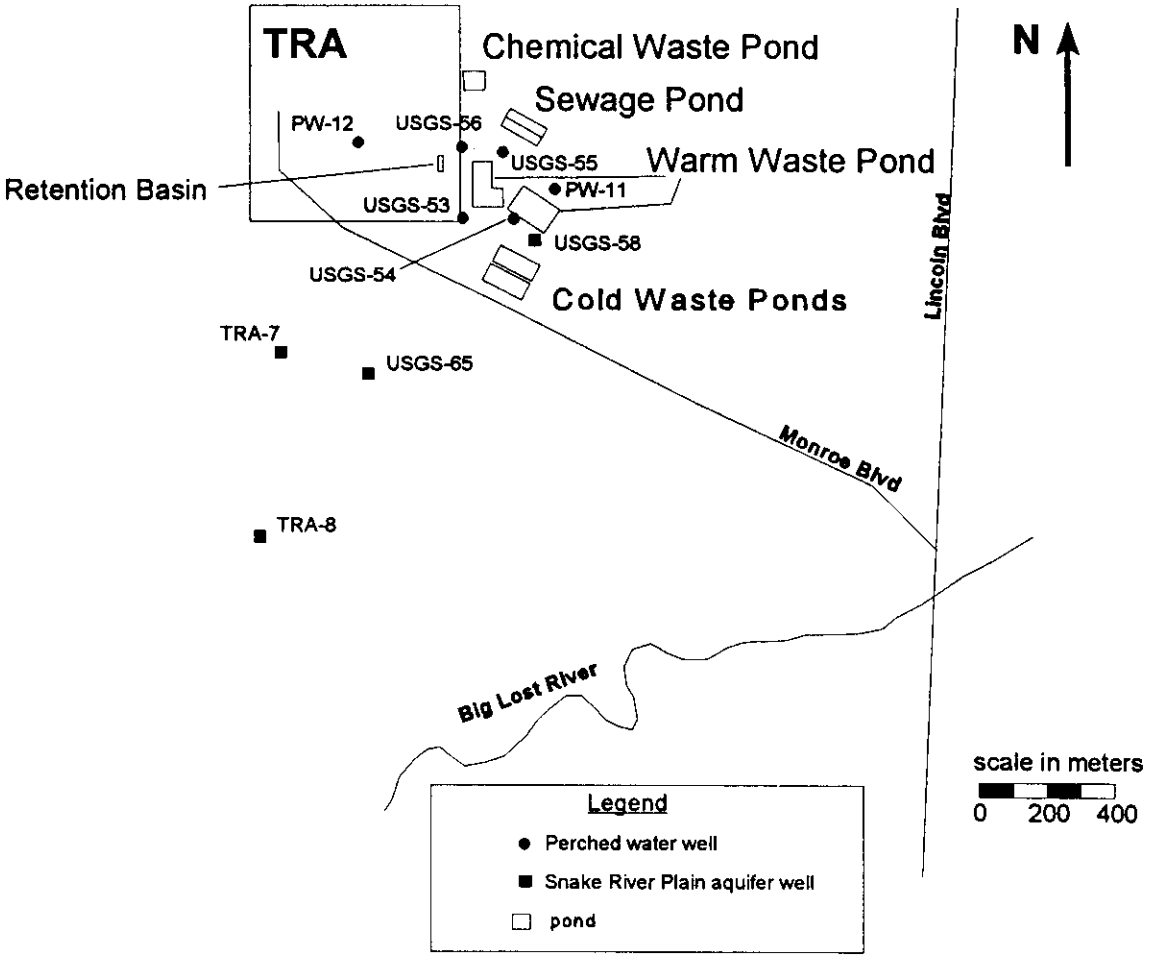

Figure 2-1. TRA OU 2-12 post-ROD groundwater monitoring well network.

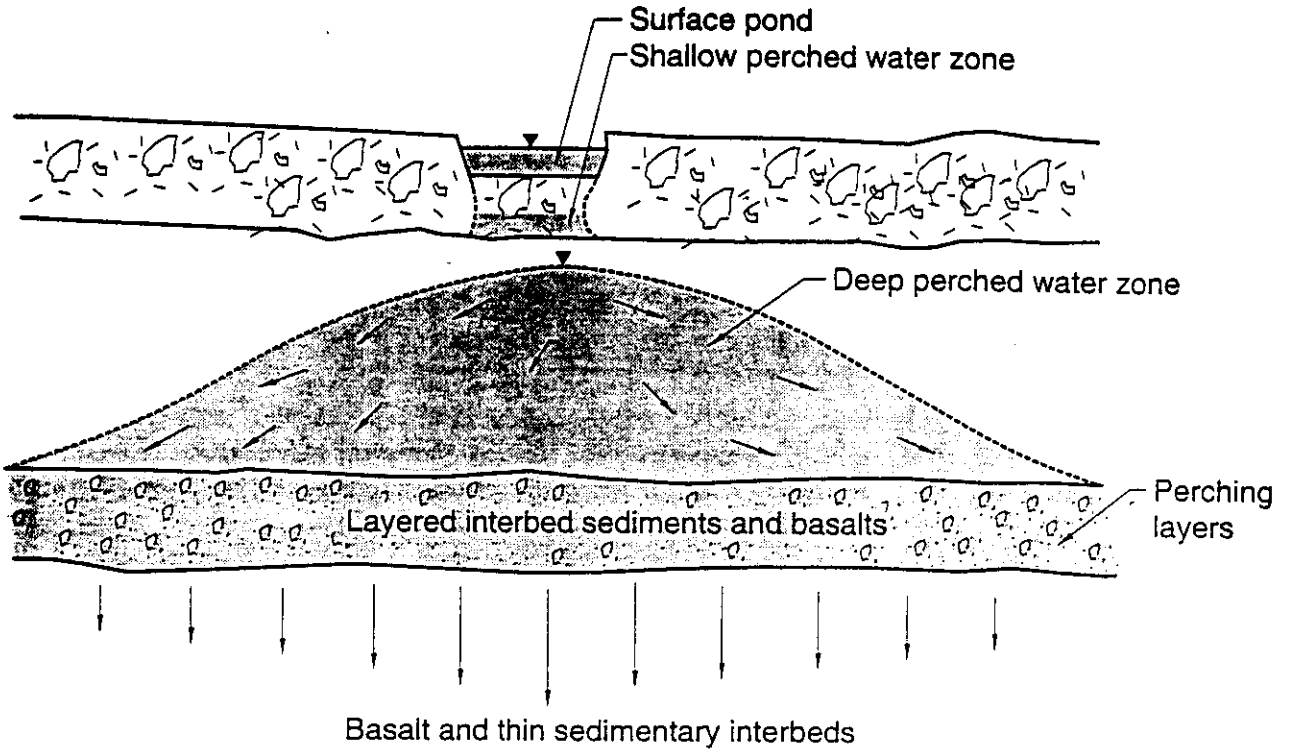

Figure 2-2. Generalized conceptual model of the perched zones beneath TRA.

The list of wells in the OU 2-12 monitoring network is unchanged from the first year of monitoring as specified in Jessmore (1994), except for the addition of well TRA-8, and includes deep perched and aquifer wells. The wells monitoring the DPWS are:

PW-11	PW-12
USGS-53	USGS-54
USGS-55	USGS-56

The wells monitoring the aquifer are:

TRA-7

USGS-58
USGS-65
TRA-8 (for sample rounds 10 and 11 only)

Post-ROD sample collection for OU 2-12 began in July 1993. Subsequent samples from the DPWS wells were collected quarterly thereafter until April 1996. Samples from the SRP aquifer wells were collected semiannually beginning in July 1993 and ending in January 1996. During round 12, aquifer wells as well as DPWS wells were sampled for a reduced set of contaminants. This deviation from the monitoring plan is discussed in section 2.2.

Samples from each well in the monitoring network were analyzed for radiological and inorganic contaminants of concern in accordance with the monitoring plan. Water levels were measured prior to sample collection. The contaminants of concern are identified in the final OU 2-12 remedial investigation report (Lewis et al., 1992). The radiological contaminants of concern are:

Americium-241
Cesium-137
Cobalt-60
Strontium-90
Tritium

The inorganic contaminants of concern are:

Arsenic
Beryllium
Cadmium
Chromium (total dissolved and hexavalent)
Cobalt
Lead
Manganese
Fluoride.

2.2 Deviations From The Monitoring Plan

Field sampling was conducted in accordance with the OU 2-12 monitoring plan (Dames and Moore, 1993) except as noted. During the first year of post-ROD monitoring (rounds 1-4), samples were collected from two additional wells (TRA-4 and PW-13) as discussed and reported in Jessmore (1994).

Several deviations to the monitoring plan occurred during the third year of monitoring. All changes were were based on WAG manager consensus and were documented and approved as document revision requests (DRR) or document action requests (DAR). DRRs and DARs are LMITCO's method of controlling document changes. These deviations are as follows and include the applicable DRR or DAR reference number: (1) additional samples were collected from well PW-13 during round 10 in an attempt to identify the source of petroleum hydrocarbons (DRR-

ER-1712) (see section 2.3), (2) aquifer well TRA-8 was added to the OU 2-12 monitoring network as recommended in the second annual technical memorandum (Arnett et al., 1995), and sampled during rounds 10 and 11 (DRR-ER-1702), (3) samples collected during round 12 were analyzed for an abbreviated list of contaminants (total dissolved chromium, strontium-90, cobalt-60, and tritium) as agreed by the agency remedial project managers. For round 12, total chromium samples were inadvertently unfiltered, and gamma spectroscopy, tritium, and strontium-90 samples were inadvertently filtered (DRR-ER-DAR-087); samples collected during previous sampling rounds were filtered for chromium and unfiltered for radionuclides.

Reducing the number of contaminants and the resulting analyses for round 12 resulted from a review of data from the first 11 sampling rounds. Contaminants on the reduced list were limited to those which were measured above drinking water standards in the DPWS or the SRP aquifer, and which provide nonredundant information. The reduced set of contaminants allowed the objectives of the monitoring program to be met while conserving resources.

2.3 Sampling at Well PW-13

Well PW-13 was sampled under OU 2-12 during sample rounds 1-4 and 10. The following subsections provide PW-13 background information, analytical sample results, and a summary and conclusion.

2.3.1 Background

On September 6, 1990, while core drilling at site PW-13 (deep perched water monitoring well located in the southeastern portion of TRA), a petroleum odor was observed in the area of the borehole. The substance was tentatively identified as diesel or fuel oil. Sample results indicated that it was either #1 or #2 diesel fuel. No. 2 diesel fuel had been used to operate the Advanced Test Reactor (ATR) , Engineering Test Reactor (ETR) and the TRA Utility Area Diesel Generators. It was postulated by TRA Operations personnel, that prior to 1981, corrosion caused a breach of the ETR diesel fuel transfer line, allowing diesel fuel to migrate through the alluvial strata and along fractures in the basalt layer to the well. This transfer line extends approximately 2,150 ft to the ETR diesel fuel day tank (ETR-648-33) near the southeast end of TRA. At its nearest point, this line is located 60 ft north of PW-13, while the day tank was approximately 350 ft to the northwest (Figure 2-3). The diesel fuel day tank (ETR-648-33) was unearthed on September 14, 1990, with no evidence of leakage noted. During the spring of 1983, a section of the fuel transfer line, which had been leaking, was excavated and replaced. Three to four years prior, the entire section of the line from the Steam Plant (TRA-609) to where the line turns between the MTR and ETR was excavated and replaced because of leaks. A "Tracer Tight" test of the line was performed sometime after September 6, 1990, and indicated no leaks in the line. In 1993, the diesel fuel transfer line was isolated, drained, and abandoned in place. Currently, the closest petroleum tanks are approximately 1,800 ft north of well PW-13 (TRA-727 C and D and TRA-775), and there are no other petroleum transfer lines or tanks located within 1,800 ft of the well. These tanks contain #2 diesel fuel. Tanks TRA-727 C and D have a 750,000- L capacity and tank TRA-775 has a 133,000-L capacity.

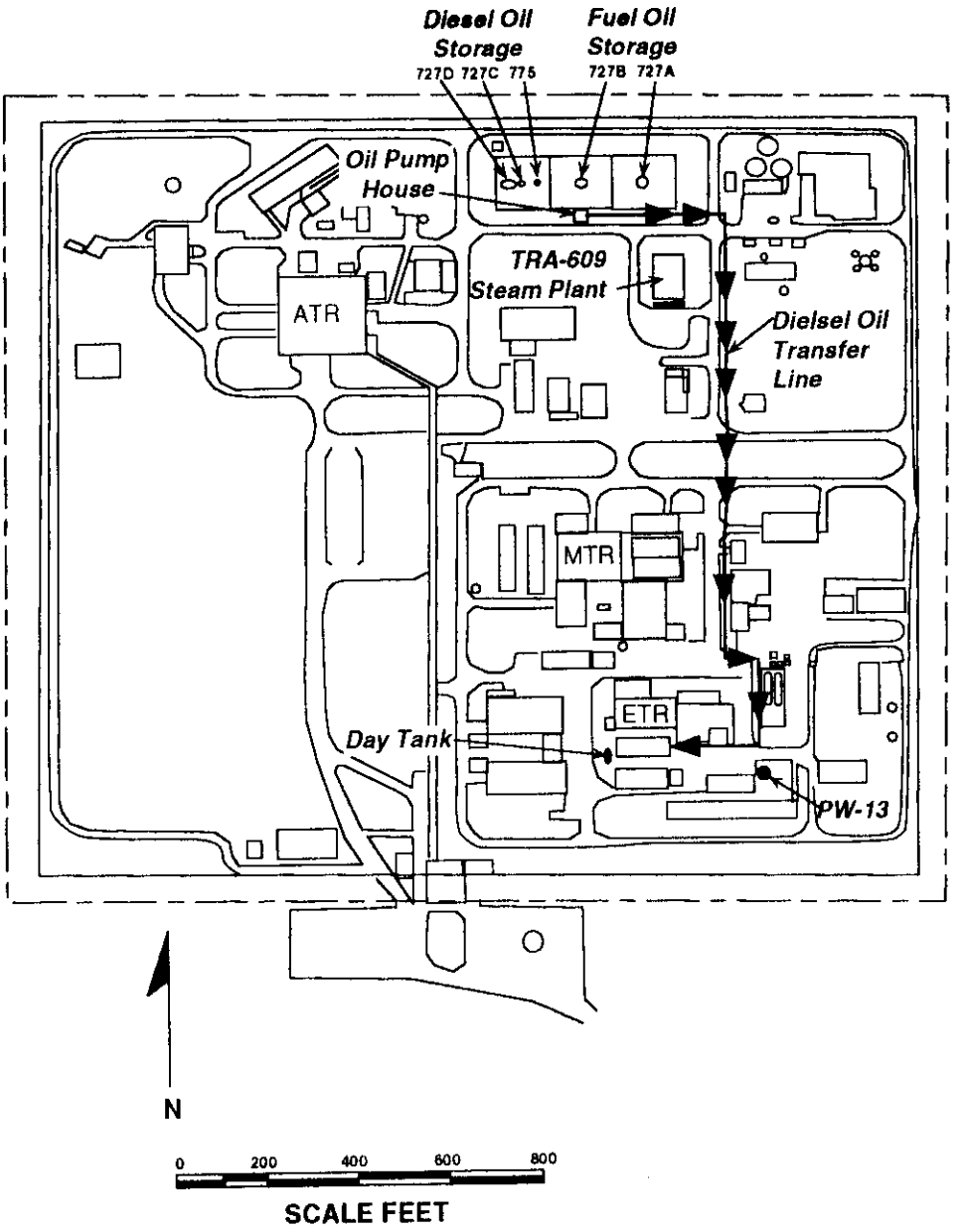

Figure 2-3. ETR diesel generator fuel line arrangement at TRA.

Approximately 20 gallons of diesel had been removed from PW-13 as of September 20, 1990. It was noted at that time that the well had an extremely low recharge rate. The flow rate of diesel fuel had been reduced to less than an 8-in. accumulation in a 24-hour period (0.20 gal). This indicates that the pool of diesel is relatively small and being effectively removed, or that the well is upgradient of the diesel plume. As reported in Occurrence Report EG&G-TRA-90-2, (Doornbos et al., 1991) none of the other monitoring wells at TRA exhibit petroleum detections

in their water analyses. It is therefore believed that the majority of the diesel fuel has been removed.

2.3.2 PW-13 Sample Results

A series of five samples were collected from well PW-13 under OU 2-12 and analyzed for BTEX. Analytical results from these samples along with the associated water levels are summarized in Table 2-1. Benzene, toluene, and xylene were not detected in any of the samples.

Table 2-1. PW-13 summary of sample information.

Sample Collection Date	Water Level (BLS)	Sample Number(s)	Ethylbenzene Result (µg/L)
July 1993	68.51	0100BX	5.41
October 1993	67.58	0102BX/0103BX	5.4/5.2
January 1994	70.35	0105BX/0106BX	3.6/4.5
April 1994	74.44	0108BX/0109BX	ND at 4.3
October 1995	73.15	2101BX	3.6

ND = not detected BLS = below land surface

As discussed in Section 2.2, a sample was collected from well PW-13 during round 10, in an attempt to determine if the diesel detected in the well was degraded, and ultimately to identify a source. The collected sample was analyzed for BTEX and petroleum hydrocarbon fingerprinting by gas chromatography/flame ionization detector. Analytical results from the sample indicate that diesel fuel #2 was detected at approximately 654 ug/L and ethylbenzene was detected up to 3.6 ug/L. This substantiates the 1990 results indicating that the fuel is diesel fuel #2. It is not possible to determine if the diesel is degraded with the information available.

The only potential current sources at TRA that could possibly be linked to the diesel detected in well PW-13 are the large aboveground storage tanks at the north end of the facility (tanks TRA-727 C and D and TRA-775). The USGS samples wells USGS-68 and USGS-72, which are downgradient from these tanks and upgradient from well PW-13. Personnel from the USGS were asked if diesel was ever detected or suspected in any of the samples collected from these wells. They reported that diesel has never been observed. It is therefore unlikely that these tanks are the source of the diesel detected in the well.

2.3.3 PW-13 Summary and Conclusions

Low levels of ethylbenzene were detected in samples collected from PW-13 during four of the five sampling rounds (maximum of 5.41 ug/L). The fuel product contained in the well is diesel fuel #2. The majority of the diesel was removed from the well in September 1990, and it is believed that the residual diesel in or around the well is very isolated. Data from April 1994

indicate that fuel was not detected when the water level was 74.44 BLS (see Table 2-1). As the water level in the well fluctuates and rises to approximately 73 ft, the residual fuel mixes with the water and enters the well.

Petroleum was not detected in any of the wells in the vicinity of PW-13. If the diesel source was large or widespread, diesel would be detected in multiple DPWS wells. It is therefore concluded that the original source of diesel was that which leaked from the diesel fuel transfer line (abandoned in place), a current source of significant diesel fuel does not exist, and that residual diesel is isolated in the vicinity of PW-13.

2.4 USGS TRA Deep Perched Groundwater Monitoring

The USGS is an independent agency, funded partially by DOE, that maintains groundwater monitoring networks at the INEL to characterize the occurrence, movement, and quality of water and to delineate waste-constituent plumes in the SRP aquifer and the perched groundwater systems overlying the aquifer (Cecil et al., 1991). These networks, including one at TRA, consist of wells from which water-level and water-quality data are periodically obtained. The USGS networks for perched groundwater systems were designed to (1) determine hydraulic gradient changes that influence the rate and direction of groundwater movement and transport of radioactive and chemical constituents, (2) measure the areal extent of the effects of recharge, (3) identify contaminant concentrations, and (4) define the pattern of waste migration in the SRP aquifer (Cecil et al., 1991).

The USGS perched groundwater monitoring network at TRA is in several ways complementary to the OU 2-12 post-ROD perched water monitoring network. The OU 2-12 network includes six DPWS wells that are sampled quarterly and analyzed for five radiological and nine nonradiological constituents (except for round 12). The USGS deep perched monitoring well network includes 18 wells, samples from which are generally analyzed for fewer constituents. Thus, the USGS network provides a better areal view of contaminant concentration changes for a few constituents, whereas the OU 2-12 network provides a more detailed view of contaminant changes at fewer wells. The wells in the OU 2-12 and USGS perched groundwater networks since 1991 are shown on Figure 2-4, and the sampling schedule and well status are presented in Table 2-2. Other deep perched wells sampled during the 1991 TRA Scoping Investigation (SI) (Doornbos et al., 1991) are also shown on Figure 2-4. Data from those wells were used to develop the water elevation contour map in the monitoring plan (Dames and Moore, 1993) and are used to show pre-ROD conditions later in this report.

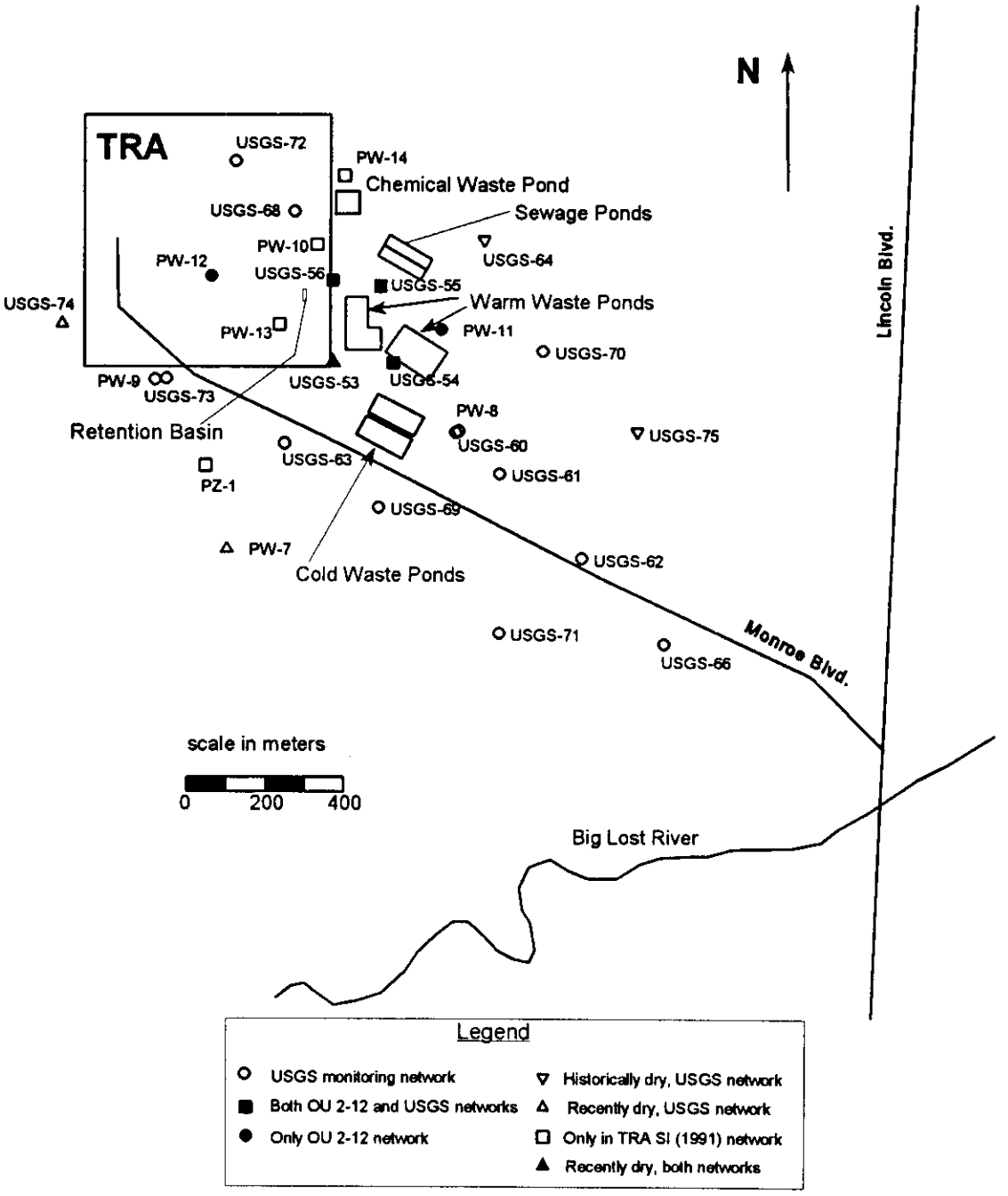

Figure 2-4. TRA deep perched water system well locations.

A summary of the sample collection and quality control and quality assurance methods is presented in the U.S. Geological Survey - Water Resources Division Quality Assurance (QA) Plan, INEL Project Office, Quality of Water Activities. The USGS QA plan is an internal USGS

document, but is available for review at the USGS INEL offices. It discusses sample containers and preservatives, field equipment, decontamination procedures at the well head, and sample collection as well as aspects of quality control (QC) related to the USGS laboratory and field analyses. In general, approximately 10 % of the samples collected are dedicated to QC purposes in the form of blind, replicate, blank, or other forms of QC samples.

The USGS samples are analyzed for radioactive constituents by the INEL Radiological and Environmental Sciences Laboratory (RESL). A discussion of procedures used for the analysis of radionuclides in water by RESL is provided in Bodnar and Percival, eds. (1982). Inorganic and other constituents are analyzed by the USGS National Water Quality Laboratory in Denver, Colorado. Additional quality assurance implemented by the USGS INEL Project Office is consistent with procedures used by the USGS National Water Quality Laboratory.

Table 2-2. Monitoring schedule for TRA deep perched water wells.

	OU 2-12 Schedule		USGS Schedule		Status
Well Name	Water Level	Sampling	Water Level	Sampling	
PW-07	-	-	S	S	dry after 4/29/94
PW-08	-	-	Q	Q	active
PW-09	-	-	S	S	active
PW-11	Q	Q	-	-	active
PW-12	Q	Q	-	-	active
USGS-53	Q	Q	Q	Q	dry after 10/5/95
USGS-54	Q	Q	Q	Q	active
USGS-55	Q	Q	Q	Q	active
USGS-56	Q	Q	Q	Q	active
USGS-60	-	-	Q	S	active
USGS-61	-	-	Q	S	active
USGS-62	-	-	Q	S	active
USGS-63	-	-	Q	S	active
USGS-66	-	-	M	A	active
USGS-68	-	-	Q	S	active
USGS-69	-	-	Q	A	active
USGS-70	-	-	Q	S	active
USGS-71	-	-	Q	S	active
USGS-72	-	-	Q	A	active
USGS-73	-	-	Q	A	active

M = monthly Q= quarterly S= semiannually A= annually

2.5 Aquifer Monitoring

Wells that penetrate the aquifer in the TRA area are shown in Figure 2-5. Wells TRA-1 through TRA-4 are water supply wells and are not usually measured for water levels. However, they have been sampled for possible contamination by the USGS. The contaminant concentration data are presented in later sections of this report.

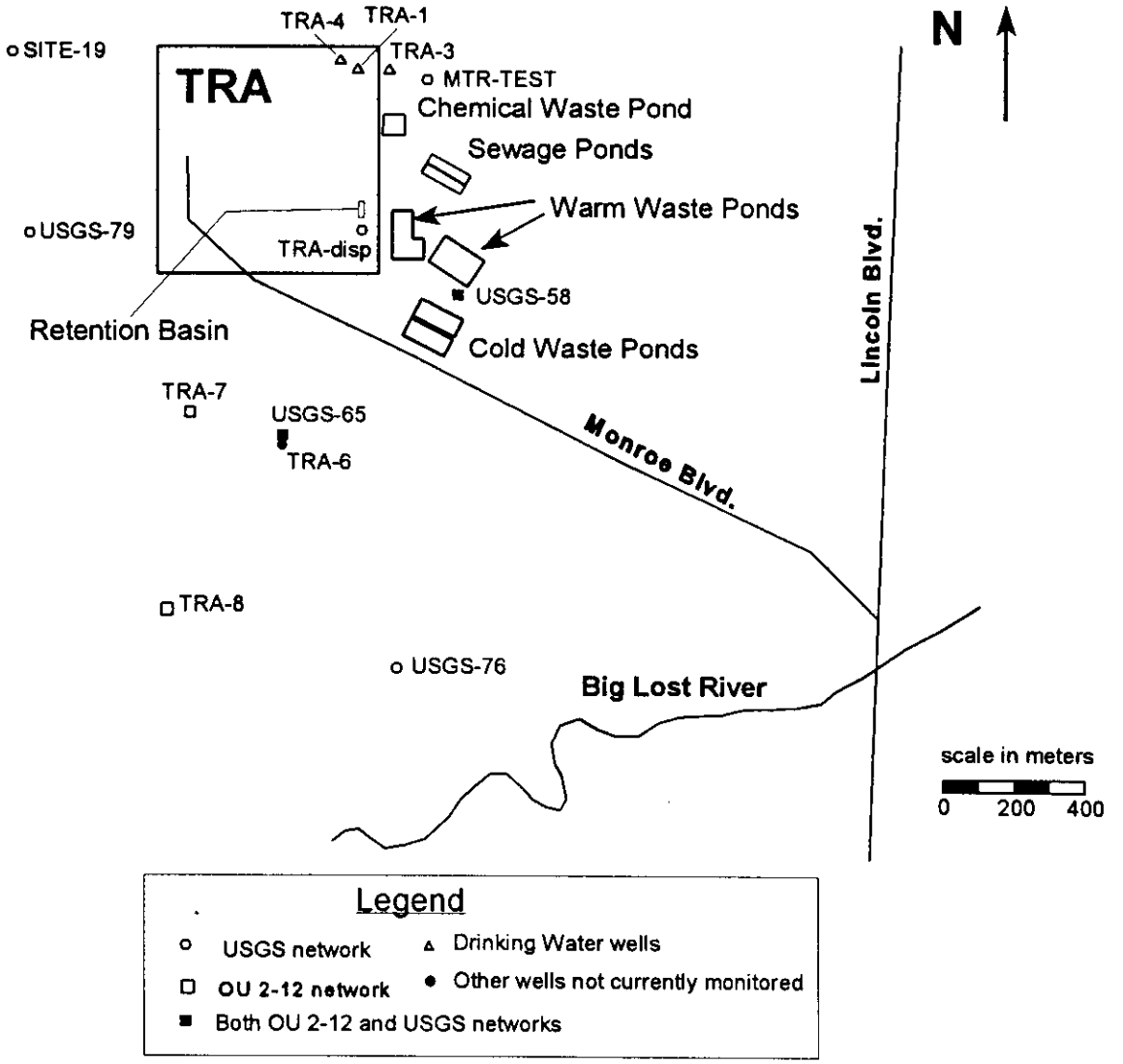

Figure 2-5. TRA aquifer wells.

The monitoring schedule and current well status for aquifer wells is shown on Table 2-3. Wells TRA-6 and TRA-8 were part of the SI monitoring network. Neither water levels nor water samples were collected from either well since the 1991 SI sampling until sample rounds 10 and 11, when samples were collected from TRA-8 as recommended in the second TM (Arnett et al.,

1995). Positive displacement pumps remain in TRA-6 and TRA-8 and inhibit water level measurement.

Table 2-3. Monitoring schedule for TRA aquifer wells.

	OU 2-12 Schedule		USGS Schedule		Status
Well Name	Water Level	Sampling	Water Level	Sampling	
USGS-58	S	S	Q	S	active
USGS-65	S	S	Q	Q	active
USGS-76	-	-	S	S	active
USGS-79	-	-	S	S	active
SITE-19	-	-	A	A	active
MTR-TEST	-	-	M	S	active
TRA-1	-	-		A	active
TRA-3	-	-		A	active
TRA-4	-	-		A	active
TRA-6	-	-	-	-	not active
TRA-7	S	S	-	-	active
TRA-8	-	*	-	-	recently active
TRA-disp	-	-	S	S	active

M= monthly Q= quarterly S= Semiannually A=Annually
* sampled during rounds 10 and 11 only

3. PERCHED WATER HEAD PATTERNS

As stated in the introduction, one of the project objectives is to evaluate trends in observed contaminant concentrations in the DPWS and SRP aquifer in response to discontinued discharge to the former WWP. Differences in elevation of groundwater above some datum (usually mean sea level) are a measure of the driving force for groundwater flow. Spatial changes in groundwater elevation or hydraulic heads in the DPWS strongly influence the transport of contaminants through the DPWS to the SRP aquifer. Perched water elevations or hydraulic heads indicate the potential flow patterns.

The responses of DPWS heads to changes in discharge rates to all TRA surface ponds are assessed in this section. Changing discharge rates to the Cold Waste Ponds, Chemical Waste Pond, and the Sewage Ponds were considered in evaluating the relative effects of discontinued discharge to the Warm Waste Ponds. This is accomplished by:

- Assembling DPWS water level data from both the OU 2-12 and USGS monitoring networks
- Calculating heads
- Plotting head vs. time at selected wells
- Preparing pre-ROD and recent head contour and isopach maps of the DPWS
- Plotting the pond discharge rates vs. time
- Comparing head changes in time and space with changing discharge rates.

Finally, a short evaluation of head responses (or lack of response) to the discharge changes is presented.

3.1 Water Levels Collected for OU 2-12

Depths to water were measured quarterly for the six perched water wells in the OU 2-12 monitoring network with a few exceptions. Water levels were not measured in wells USGS-53, USGS-55, and USGS-56 in April 1995 because of an equipment malfunction. The water level fell below the bottom of the open interval in well USGS-53 after sampling round 10 (October 1995), so no measurements are available from subsequent rounds. Measured depths to water and calculated perched groundwater elevations (heads) are presented in Appendix A. Groundwater elevations or heads are calculated by subtracting depth to water from the elevation of the land surface datum, which is usually identified by a brass cap on the concrete pad surrounding the well. Land surface data (brass cap) measured by Beard (1993) were used to calculate perched and aquifer heads.

3.2 Water Levels Collected by the USGS

Water levels were measured by the USGS in their TRA perched water network wells according to the schedule shown in Table 3-1. Annual attempts to measure water levels in wells USGS-64 and USGS-75 (see Figure 2-4) have indicated dry holes since 1976. The level of the DPWS fell below the bottom of the open interval of well USGS-53 after the April 1995 measurement, and no samples have been collected from that well since. In addition, USGS-74 has been dry since March 1993 and PW-7 has been dry since October 1994.

3.3 Perched Water Head versus Time Plots

Hydraulic heads versus time since 1991 for wells USGS-61, USGS-54, and PW-12, are plotted on Figure 3-1. Both OU 2-12 and USGS data are included, as applicable. Well USGS-54 is located at the edge of the former Warm Waste Ponds and near the Cold Waste Ponds and the center of the DPWS (see Figure 2-4), PW-12 is northwest, and USGS-61 is southeast of the ponds. These wells are located along the long axis of the TRA DPWS, and hydrographs of these wells give a representative picture of the temporal changes in the DPWS. In July 1992, heads fell to a minimum for the post-1991 period for both USGS-54 and USGS-61. Water level data prior to 1993 are not available for PW-12. Peak heads for the post-1991 period occur in USGS-54 and USGS-61 during October 1993. A local peak also occurs in PW-12 in 1993. Plots of hydraulic head versus time at other wells in the OU 2-12 and USGS networks are presented in Appendix B.

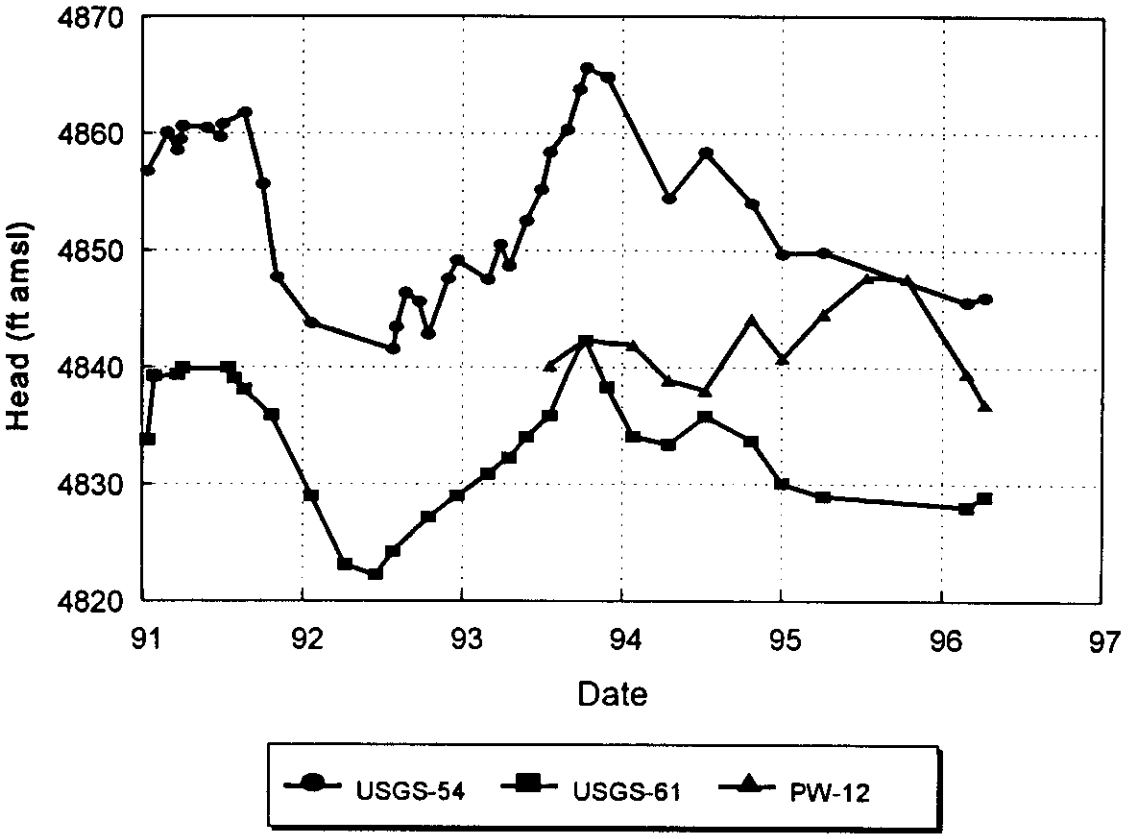

Figure 3-1. Hydrograph for wells USGS-54, USGS-61, and PW-12.

3.4 Liquid Discharges versus Groundwater Heads

The TRA DPWS consists of water infiltrating from several different sources. These sources have included the Cold Waste Ponds (CWP), the former Warm Waste Ponds (WWP), the Chemical Waste Pond (CP), the Sewage Ponds (SP), and the Retention Basin. Well USGS-53 was used as a temporary and intermittent liquid waste discharge point in the early 1960s and also contributed water to the DWPS.

On August 12, 1993, discharge to the WWP was discontinued, and the low-level radioactive wastewater stream previously discharged to those ponds was diverted to a newly constructed and lined evaporation pond. In the first 7 months of 1993, 14 million gallons of water were discharged to the WWP. For purposes of comparison, 158 million gallons were discharged to the CWP, 8.7 million gallons to the SP, and 4.4 million gallons to the CP during the same period. It is estimated that approximately 25 million gallons per year leaked from the Retention Basin during its operation through 1993 with 14.5 million gallons during the first 7 months of 1993. The total estimated discharge to all ponds and the Retention Basin during the first seven months of 1993 was 199.7 million gallons. Discharges to the CWP thus represented 158/199.7 or

79% of the estimated sum of infiltrating water from ponds and the Retention Basin during the first 7 months of 1993.

To assist in evaluating the historical influence of changing discharge rates on the head patterns, discharge rates versus time to the CWP, WWP, SP, and the CP are plotted on Figure 3-2. The plots on Figure 3-2 illustrate that discharges to the CWP from January 1991 through July 1993 represented the bulk of the total TRA liquid discharge to ground. Periods of low discharge rate to the CWP correlate well with periods of low water elevations in wells USGS-61 and USGS-54 (Figure 3-1). Likewise, periods of high discharge rate correlate well with peak heads in the same two wells. There is less correlation between discharges to the CWP and well PW-12; the increase in head from January 1995 to April 1995, in particular, doe not correlate in time with CWP discharges. Perhaps there is a 1-year delayed response in PW-12 to CWP discharges.

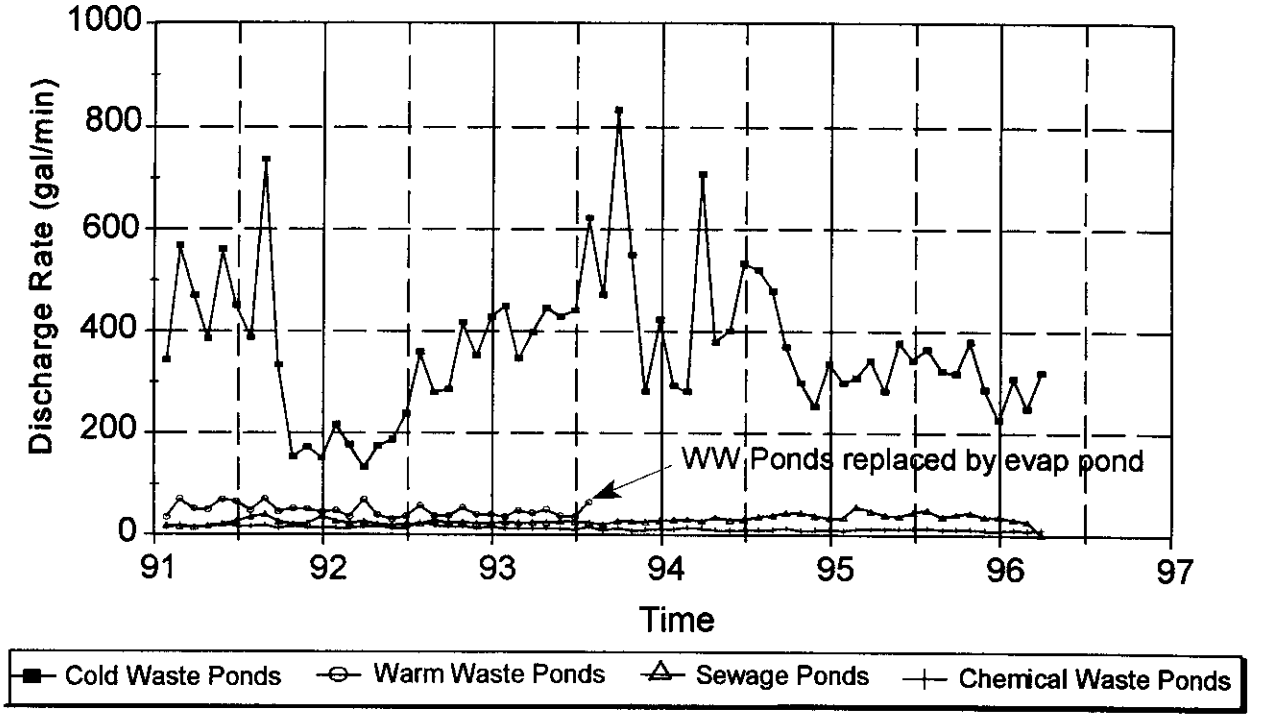

Figure 3-2. Liquid discharge rate to surface ponds.

In summary, the incremental reduction in the total rate of water infiltrating to the DPWS resulting from discontinuing discharge to the former WWP appears to be relatively small. The decline in discharge rate to the CWP from 1993 to 1995-96 has a greater effect on heads in the DPWS than removing the WWP from service. The predominant effect of shutting down the WWP is stopping contaminant release to the subsurface.

In order to better visualize the comparison of head change and discharge rate to the CWP, heads from wells surrounding the pond were plotted together with the CWP discharge rate. Figure 3-3 is a plot of CWP discharge rate and head versus time for wells USGS-53, USGS-54, USGS-55, USGS-56, USGS-60, USGS-63, and USGS-69 (see Figure 2-4). Both OU 2-12 and USGS data were used. In general, heads in all the surrounding wells correlate to changes in CWP

discharge rate. The wells southeast of the CWP (USGS-60 and USGS-69) display a stronger response (larger relative head change) than wells northwest of the CWP. USGS-56 shows the smallest response and is also the farthest from the CWP for those wells included on Figure 3-3. These data suggest that water flow through the DPWS is not symmetrical; a larger fraction of water disposed to the CWP may flow through the southeast portion than the northwest portion of the DPWS. This implies a more rapid contaminant flushing in the southeast portion than in the northwest portion and is consistent with the contaminant concentration results presented later in this report.

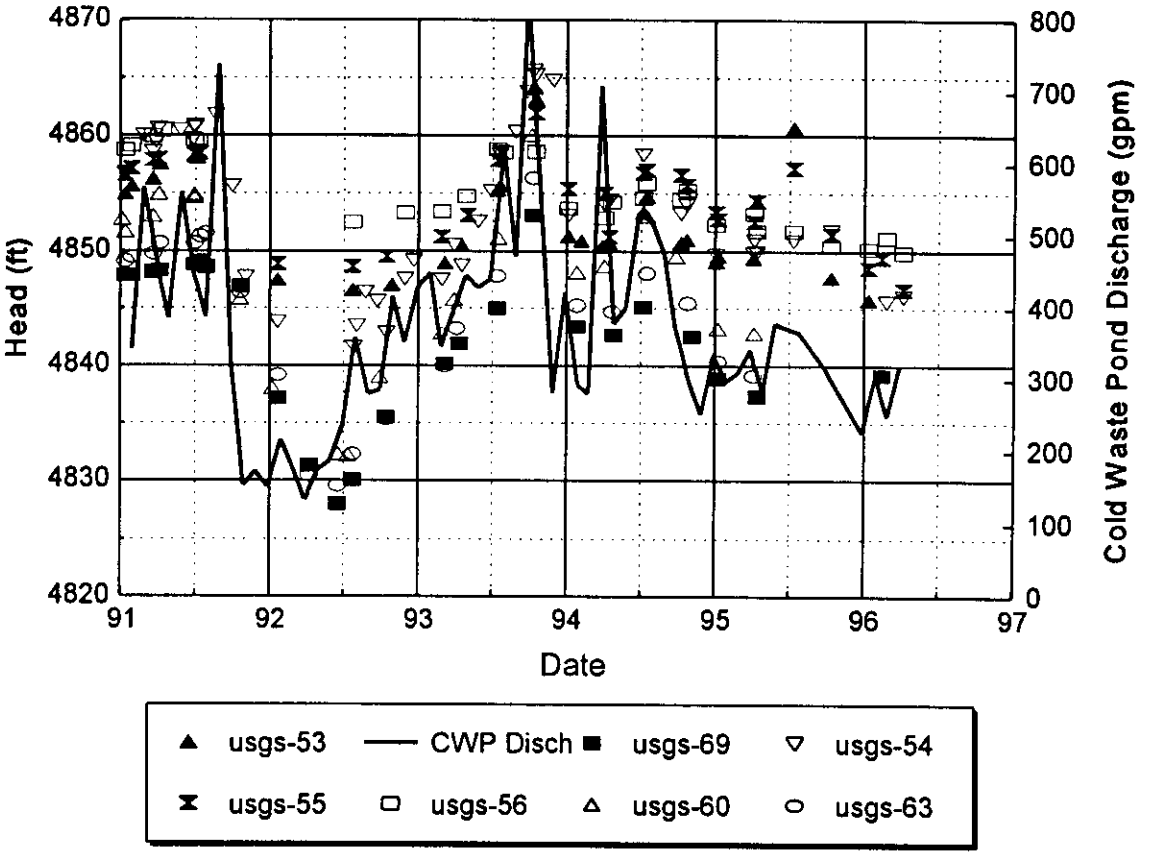

Figure 3-3. Heads and CWP discharge rate versus time for wells surrounding the CWP.

Figure 3-4 is a plot of time versus discharge rate to the CWP and heads in wells USGS-68, USGS-72, and PW-12, which are located in the extreme northwest portion of the DPWS. The striking feature on Figure 3-4 is the lack of correlation between CWP discharge rate and heads. This suggests that heads in the extreme northwest portion of the DPWS are not immediately influenced by discharges to the CWP. Either there is a geologic control feature between that area and the rest of the DPWS, or another water source is more influential. Heads in well USGS-68 are generally higher than the heads in any other DPWS well. This also suggests that well USGS-68 is located in a hydrogeologic environment that is separate and distinct from that in the central portion of the DPWS near the CWP. The relative heads between USGS-68 and wells near the CWP (see Figure 3-3) indicate that only under conditions of very high heads near

the CWP does water flow to the area near USGS-68. Another source of water, perhaps the CP or the SP, which do not display a large fluctuation in discharge rate, would help explain the heads in USGS-68. Leakage from the water transfer system (water supply wells are located north of USGS-68, see Figure 2-5) cannot be ruled out as a small source.

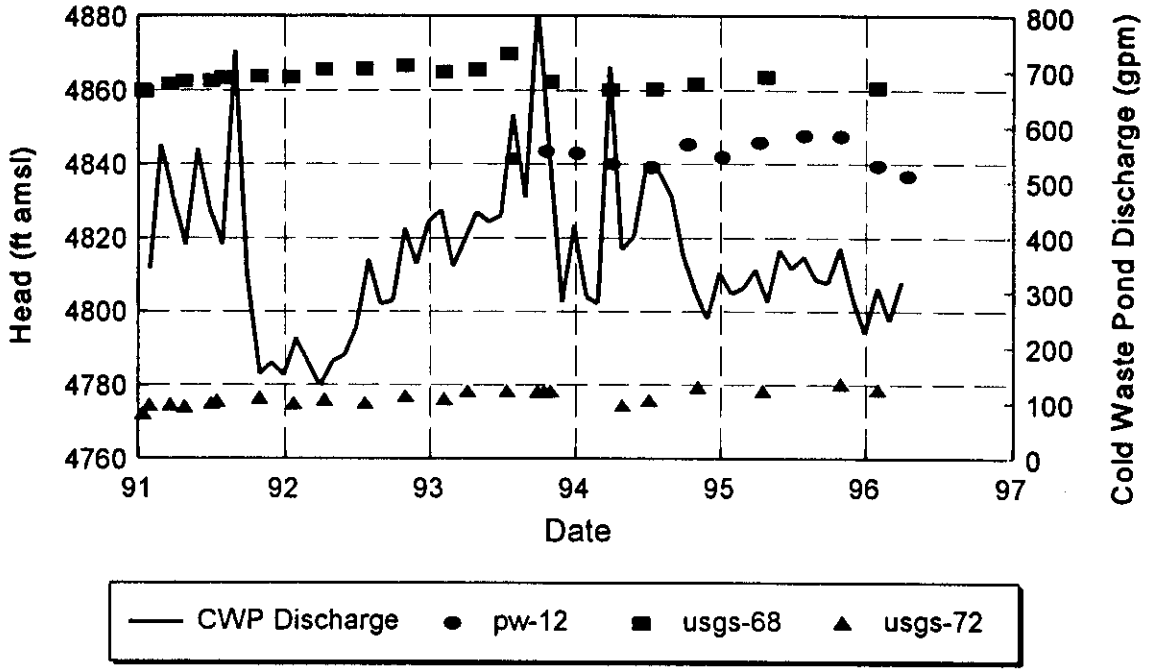

Figure 3-4. CWP discharge rate and heads for wells USGS-68, USGS-72, and PW-12.

3.5 Perched Water Elevation Contour Maps

A contour map of the DPWS heads was prepared for the TRA SI (Doornbos et al., 1991). That map is reproduced as Figure 4 in the TRA Monitoring Plan (Dames and Moore, 1993). The SI monitoring network for the deep perched system included all 27 wells shown on Figure 2-4. A contour map was reconstructed with the 1991 SI data using a computer contouring program and is shown as Figure 3-5. A discussion of methods used in computerized contouring is presented in Appendix E. Contour maps of DPWS heads collected by both the OU 2-12 and USGS monitoring programs during April 1995 and April 1996 were also constructed and are shown in Figures 3-6 and 3-7, respectively. Figures 3-5 through 3-7 show a steady decline in heads in the center of the DPWS. Isopach or saturated thicknesses of the DPWS were estimated for 1991, 1995, and 1996, and are shown as a series of stacked three-dimensional diagrams on Figure 3-8.

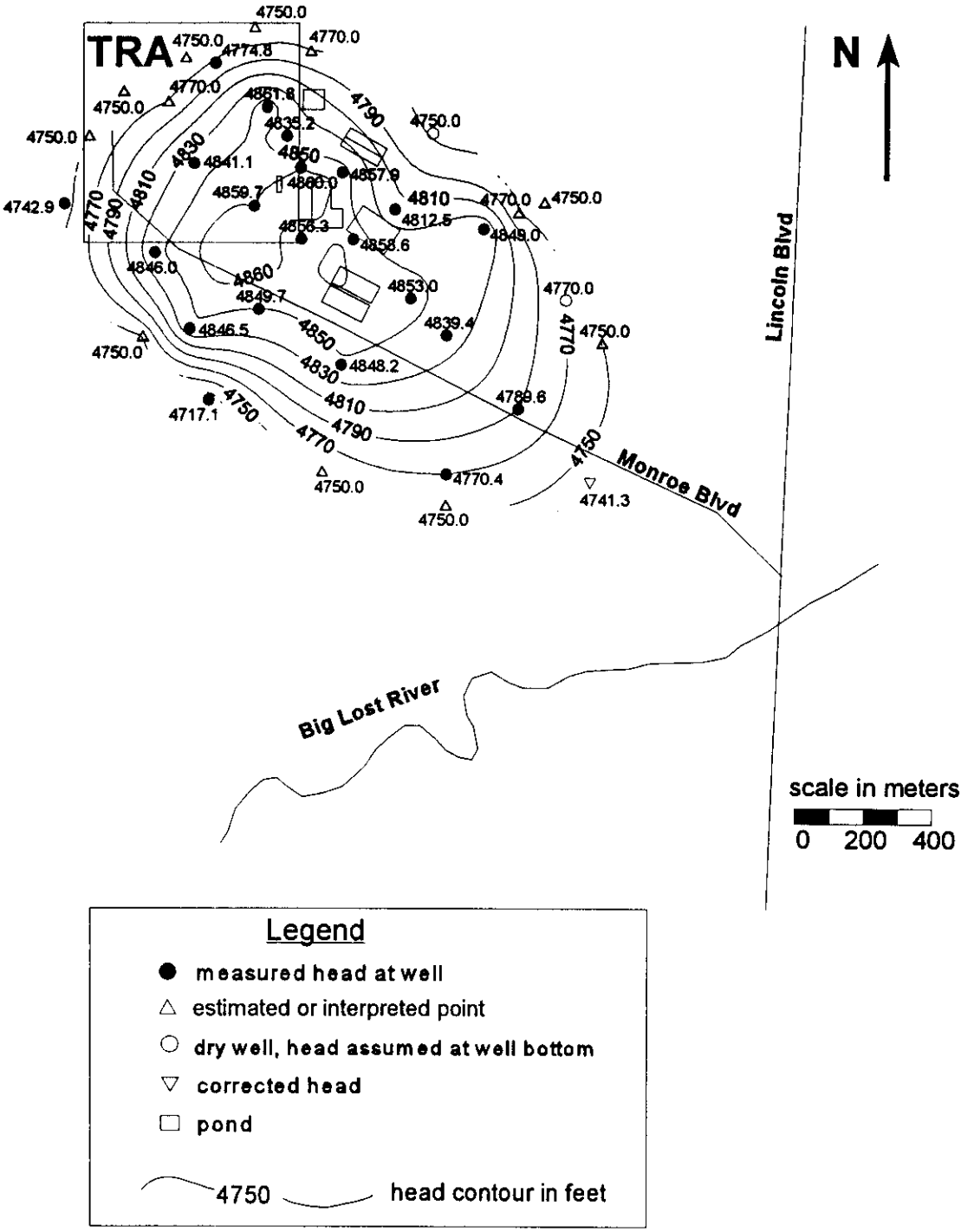

Figure 3-5. Deep Perched Water System contoured heads - March 1991.

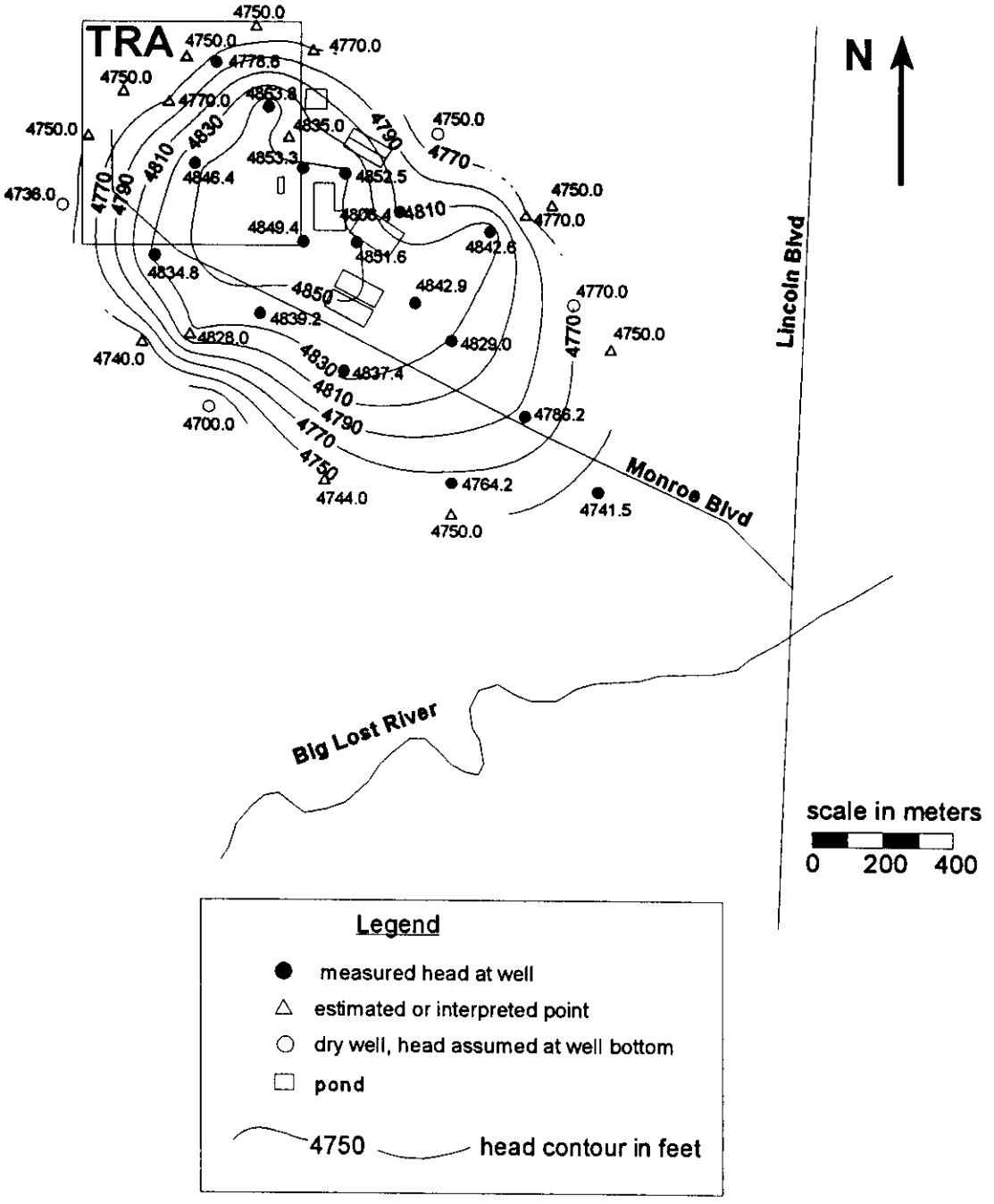

Figure 3-6. Deep Perched Water System contoured heads - April 1995.

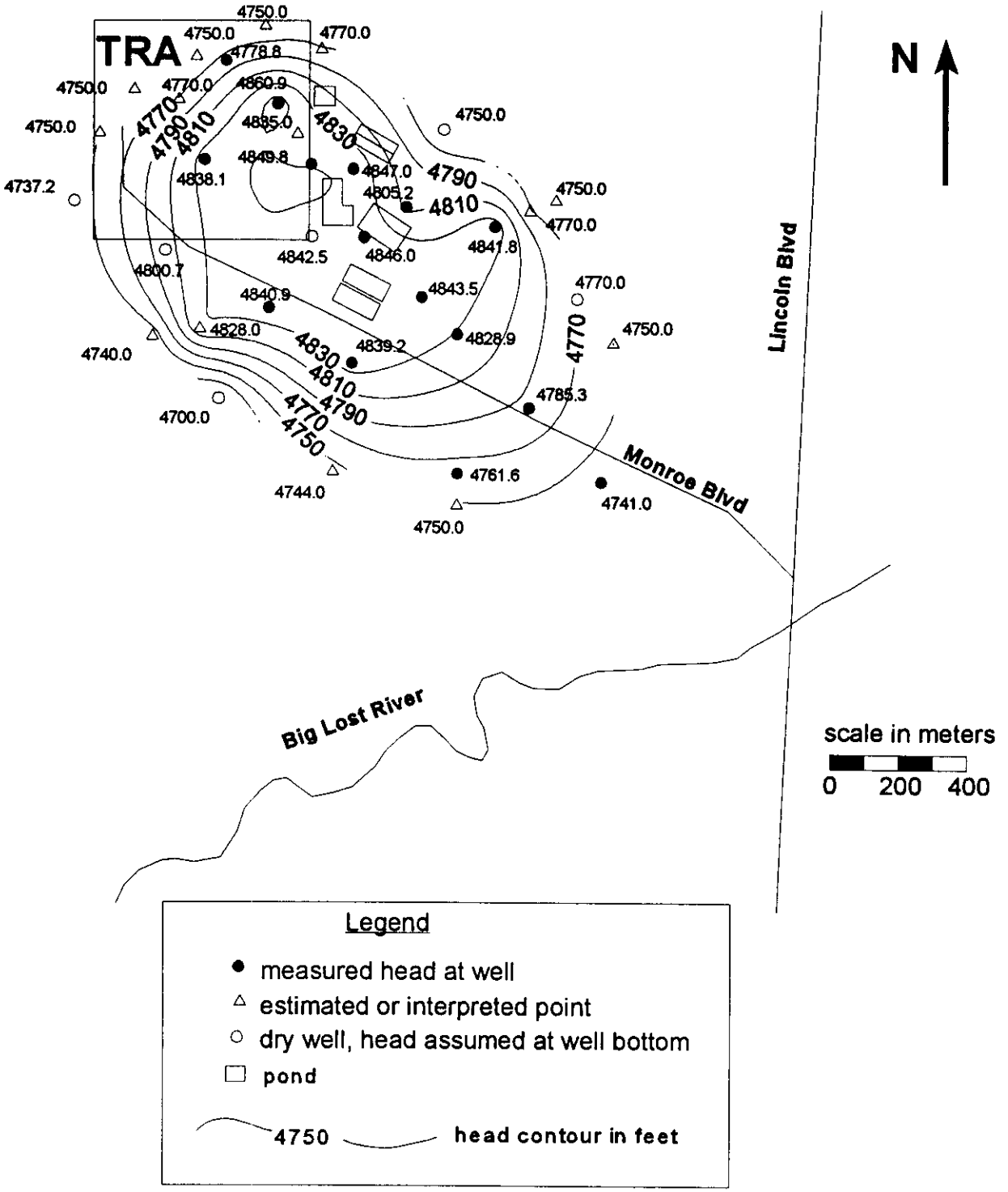

Figure 3-7. Deep Perched Water System contoured heads - April 1996.

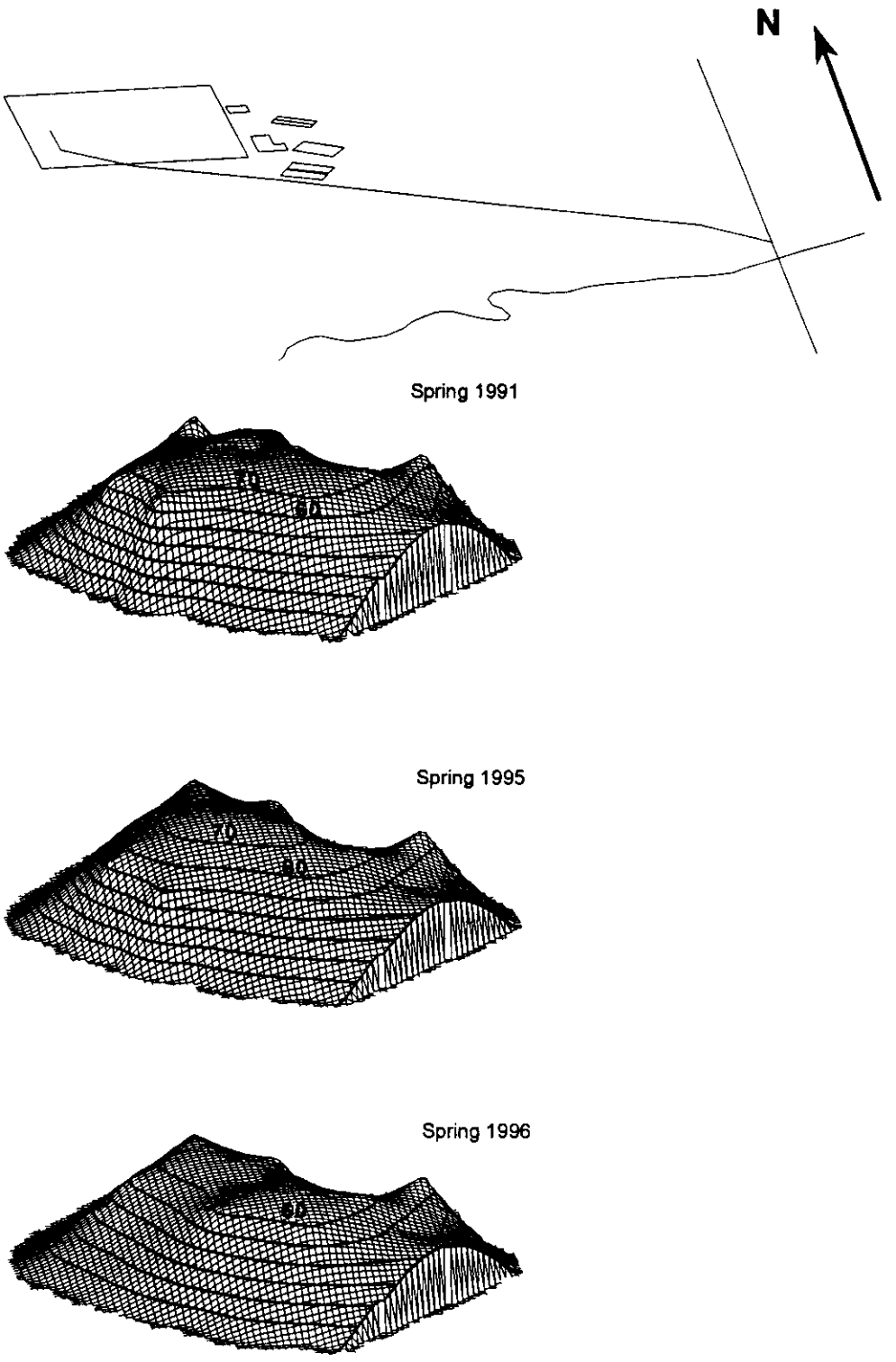

Figure 3-8. Stacked DPWS isopach maps , 1991, 1995, 1996 water levels.

Figure 3-8 was prepared assuming the DPWS is perched on the DE1 interbed defined by Anderson et al. (1996). DPWS water elevations in wells USGS-62, USGS-66, and USGS-71 fall below the DE1 interbed. The southeastern portion of the DPWS, which includes those well locations, appears to perch on the lower DE3 sediments. Figures 3-9 and 3-10 are reproductions of Figure 4 (two parts) from Anderson (1991) and show a geologic cross-section through TRA and the Idaho Chemical Processing Plant (ICPP). Figure 3-10 shows the DE1 sediments thinning near USGS-66, suggesting that the DPWS in that vicinity perches on the lower DE3 sediments. The isopach maps of Figure 3-8 show a discontinuity between wells USGS-61 and USGS-62 (see Figure 2-4) to emphasize the change in perching layers.

Figure 3-8 shows that heads in the center of the deep perched water body decreased approximately 8 to 12 ft from 1991 to 1995 and approximately 20 ft from 1991 to 1996. Hydrographs and discharge plots indicate that there were low heads in mid-1992, also in response to low discharge rates to the CWP during that period. Heads in the northwestern portion increased slightly from 1991 to 1995. The calculated volume of the DPWS (excluding the southeastern portion) decreased 9% from 1991 to 1995 and 19% from 1991 to 1996. Decreased heads over the majority of the DPWS are consistent with the pattern of decreased discharge to the CWP since 1993.

There have been large changes in measured water levels in well USGS-66 located at the southeastern end of the DPWS monitoring network. Well USGS-66 is part of the USGS and SI monitoring networks, but is not part of the OU 2-12 network. In late 1994, the USGS recompleted the well by grouting below the 199-ft depth. The casing was perforated from 158 to 199 ft (personal communication from Brennon Orr, USGS). Depths prior to the recompletion were approximately 213 ft below land surface. After the recompletion, depths to water have been approximately 179 ft. Prior to the recompletion, the open interval was not in the DPWS and water levels in USGS-66 were not representative of the DPWS. Because calculated heads since the recompletion represent true heads in the DPWS, the head measured in 1991 in USGS-66 and used to prepare Figure 3-5 was increased by the difference between the July 1994 and November 1994 measurements. The difference or offset is shown on the hydrograph for USGS-66 in Appendix B. For this reason, the southeastern portion of Figure 3-5 is different from the map presented in the monitoring plan (Lewis et al.,1992) and the TRA SI report (Doornbos et al., 1991).

Because 79% of the water discharged to surface discharge sites at TRA goes to the CWP, it is reasonable to expect that the DPWS would be centered around the CWP. However, the DPWS has been historically centered near the former WWP. The 1996 head (Figure 3-9) and isopach map suggests a broader upper surface more nearly centered beneath the CWP. Changes in the DPWS heads appear to reflect cessation of discharge to the former WWP after 2.5 years. Temporal head patterns in wells near the former WWP reflect the temporal discharge pattern to the CWP. This suggests that there is a good deal of lateral spreading of the water in the shallow perched water prior to infiltration to the DPWS. Also, leakage from the water transfer system may contribute to heads in the northwest portion of the DPWS. If the hydraulic conductivity west of the former WWP is low, a small local source of water could contribute to or even maintain the heads in the DPWS in the area west of the former WWP (inside the TRA fence).

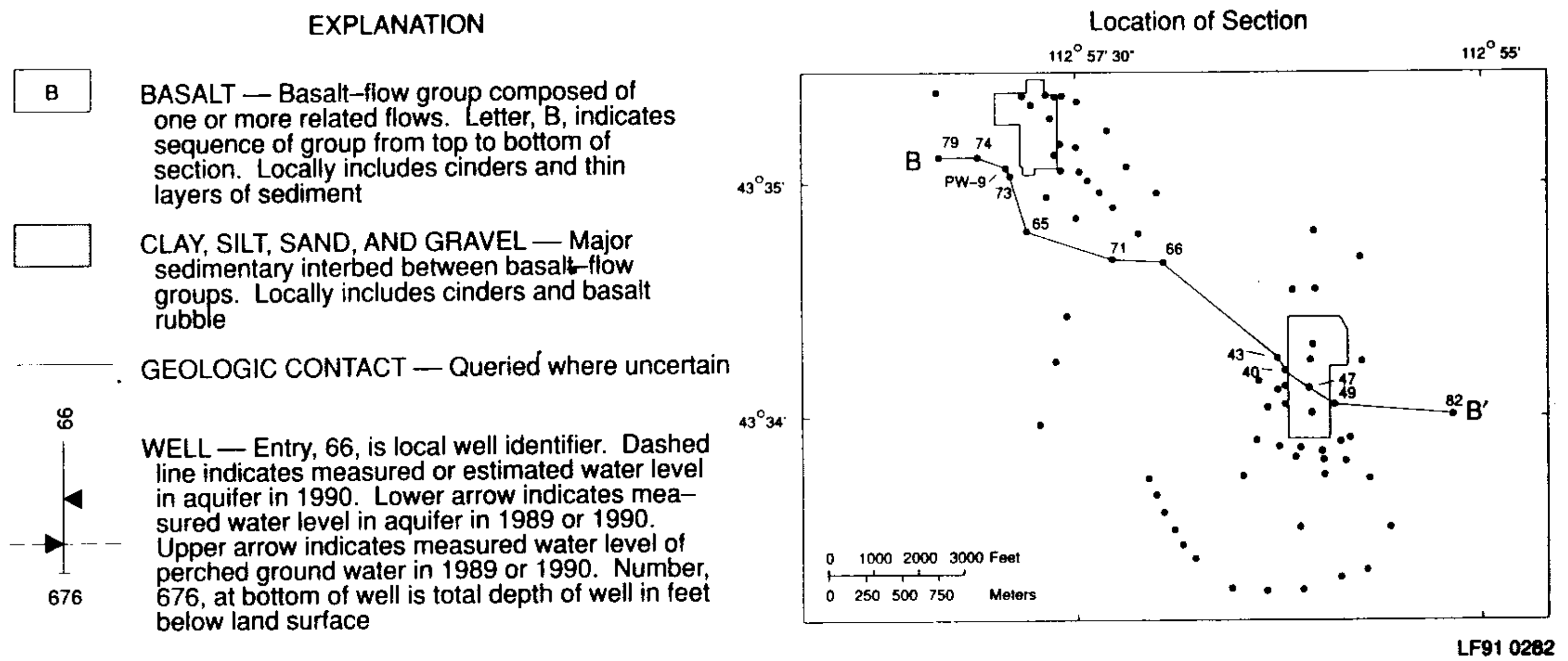

Figure 3-9. Location of geologic section B-B' at the TRA and ICPP (from Anderson, 1991).

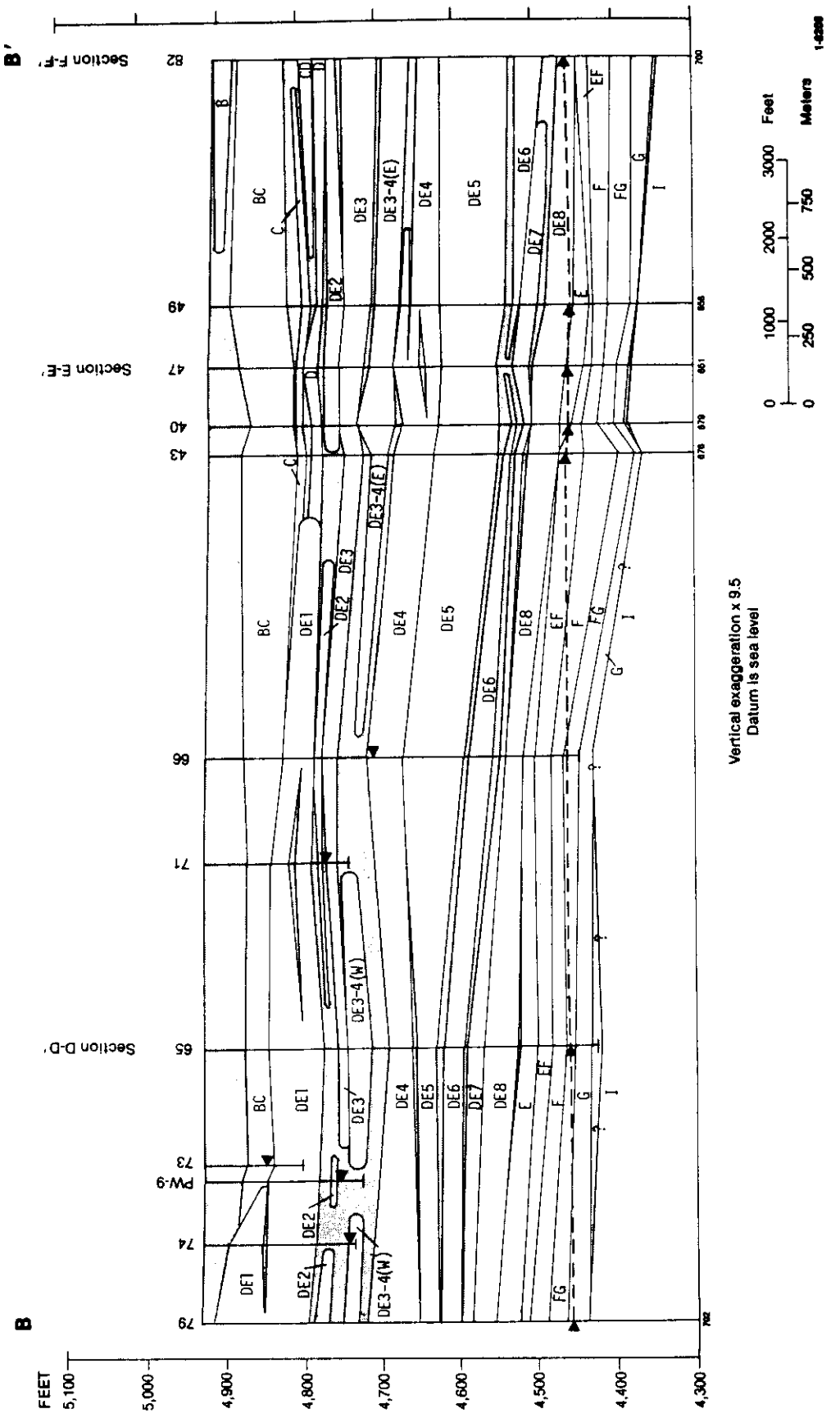

Figure 3-10. Geologic section B-B' at the TRA and ICPP (from Anderson, 1991).

As discussed in the previous section, heads in the northwest portion of the DPWS do not reflect discharges to the CWP. In contrast to other portions of the DPWS, the April 1995 (Figure 3-5) heads show a net rise since 1991. Heads in this area began to fall by 1996 (Figure 3-7) showing that the rise is temporary and reinforces the concept that heads exhibit a delayed response to changesCPW discharges. Small sources such as leaks in the water delivery system could also contribute to heads in this area.

The temporal variation in discharges to the CWP is greater than the average flow rate to the former WWP during the last years prior to shutdown. Thus, it is expected that changes in discharge rates to the CWP will be reflected in the heads in most of the DPWS wells. The different head patterns in the northwestern portion of the DPWS suggest that changes in heads in that portion of the DPWS may be a delayed response to changes in the discharge rate to the CWP.

3.6 Summary of Perched Water Head Patterns

In summary, head trends in much of the DPWS reflect changes in discharge rates to the CWP. Wells in the northwestern portion of the DPWS (PW-12, USGS-68, and USGS-72) show a pattern that does not immediately reflect the pattern of CWP discharges. This suggests that contaminant flushing in the DPWS varies with location. The simplified conceptual flow model presented in Lewis et al. (1992) and Figure 2-2 is a useful, but limited illustration of the DPWS. There are areal variations in hydraulic properties (Bishop et al., 1992) that cause deviations from the smooth perched water mound shown in Figure 2-2. Heads in the center of the deep perched water body decreased approximately 20 ft from 1991 to 1996. Heads in the northwestern portion increased slightly and then decreased during the same period. The calculated volume of the DPWS (excluding the southeastern portion) decreased 19% from 1991 to 1996. Decreased heads over the majority of the DPWS are consistent with the pattern of decreased discharge to the CWP since 1993. Discontinuing discharge to the former WWP appears to be a secondary factor in declining heads in the DPWS; increased discharge to the CWP would likely cause an almost proportion increase in DPWS heads.

4. AQUIFER HEAD PATTERNS

Changing head patterns in the aquifer can influence the observed contaminant concentration patterns. The rate of wastewater infiltrating to the aquifer from the ponds via the DPWS is small compared to the regional aquifer flow in the area. This results in a small response of aquifer heads to changing discharge rates to the ponds. The primary purpose of this section is to assess the changing head patterns in the aquifer in terms of the possible influence on contamination patterns. An important subpurpose is to evaluate the effects of well completion on the aquifer heads. The methods of accomplishing these are similar to the methods used in the previous section for the DPWS. Well completions will be discussed since they influence the observed heads.

4.1 Aquifer Head versus Time Plots

The monitoring schedule for aquifer wells (see Figure 2-5) is presented in Table 2-3. Hydrographs of aquifer elevation or head versus time for wells USGS-58, USGS-65, and TRA-7 are presented on Figure 4-1. The hydrograph of well USGS-58 and TRA-7 primarily reflect the influences of the regional aquifer, whereas the hydrograph of well USGS-65 shows a small influence of recharge from the ponds via the DPWS. The head in USGS-65 is approximately 2 ft higher than expected from the heads of nearby wells. Doornbos et al. (1991) reported that heads in well TRA-6 (very near well USGS-65, see Figure 2-5) were more representative of the aquifer head patterns. Their 1991 aquifer head contour map (Figure 3-24 of Doornbos et al., 1991) closely reflected the head in TRA-6 but not the head in USGS-65, which was 2 ft higher. The increased head in USGS-65 may reflect the fact that it is completed just above a sedimentary layer that may inhibit vertical mixing. Well TRA-6 is completed below that layer and appears to better represent regional aquifer conditions. Well USGS-58 is closer to the CWP, but exhibits a head pattern that is more indicative of mixing over a larger vertical portion of the aquifer. The heads in USGS-58 and TRA-7 are consistent with the pattern of other aquifer wells in the area. Hydrographs of the other TRA aquifer wells are presented in Appendix B.

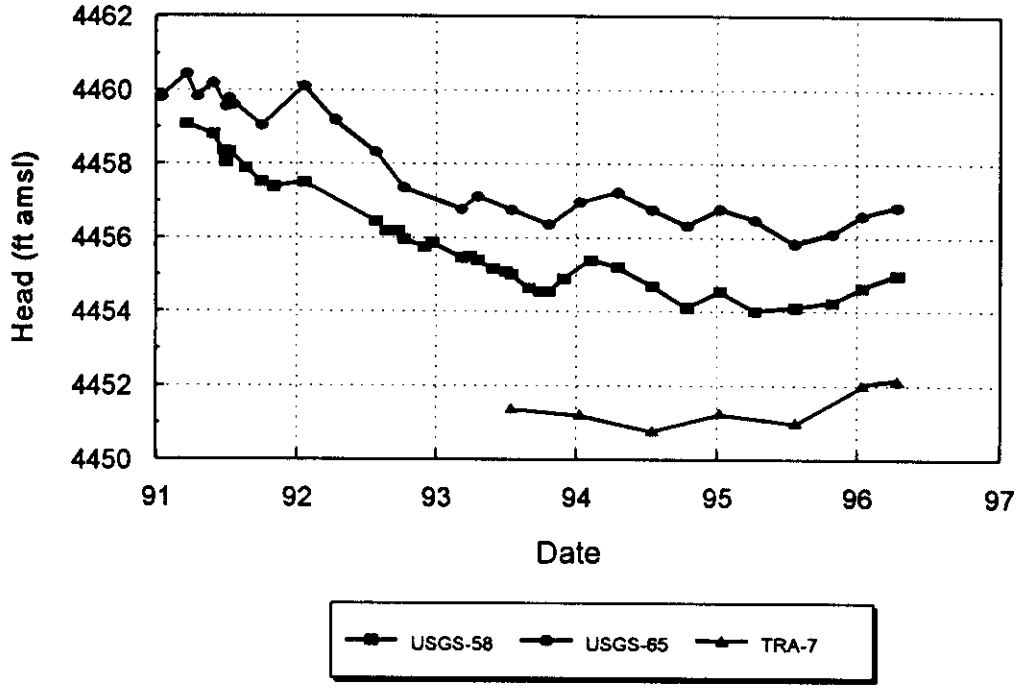

Figure 4-1. Head versus time for well USGS-58, USGS-65, and TRA-7.

4.2 Aquifer Well Completions

Proper evaluation of SRP aquifer well contaminant concentrations depends on the well completion. Aquifer well completions are presented in Appendix F. Aquifer wells USGS-65 and TRA-7 are completed in the upper 20 to 25 ft of the aquifer. Samples from those shallow wells can be expected to provide good estimates of contaminant concentrations entering the aquifer from the DPWS. They are less valuable for providing estimates of the vertically mixed concentrations in the aquifer.

The open interval in well USGS-58 extends slightly deeper into the aquifer than the open intervals of USGS-65 and TRA-7. Depth of the open interval is only one criteria for judging the vertical representativeness of the samples. Doornbos et al. (1991) show an interbed below the open intervals in wells USGS-65 and TRA-7, whereas such an interbed is not known to exist below well USGS-58. Samples from USGS-58 may be more representative of greater vertical mixing and thus more dilute than samples from USGS-65 and TRA-7.

Aquifer wells in the USGS monitoring network not monitored under OU 2-12 are completed deeper in the aquifer than the OU 2-12 monitored wells. It is expected that samples collected from those wells might show diluted contaminant concentrations due to vertical mixing. The open interval in well TRA-6 begins approximately 60 ft below the water table and is representative of a zone below a sedimentary interbed in the aquifer (Doornbos et al., 1991). The bottom of the open interval in well TRA-8 is slightly deeper than that of USGS-65 and TRA-7.

4.3 Aquifer Head Contour Maps

Changes in the SRP aquifer head beneath TRA generally reflect changes in the regional aquifer (Mundorff et al., 1964; Arnett et al., 1993; Arnett and Brower, 1994; McCarthy et al., 1994; Garabedian, 1989). Figures 4-2 through 4-4 are aquifer head contour maps for 1991, 1994, and 1995, respectively. Heads from wells in the vicinity of TRA as well as other INEL aquifer wells away from TRA were used to produce Figures 4-2 through 4-4. Differences result from regional recharge patterns. The head for well USGS-65 is observed on all three figures to be approximately 2 ft higher than the head pattern established by the other wells. This finding is consistent with that of Doornbos et al. (1991). Aquifer heads in 1994 and 1995 were approximately 4 and 4.5 ft lower than 1991 heads. This is a result of an extended period of lower regional recharge. However, contaminant transport in the aquifer is driven by the spatial change in heads or head gradient, which is similar for the three periods.

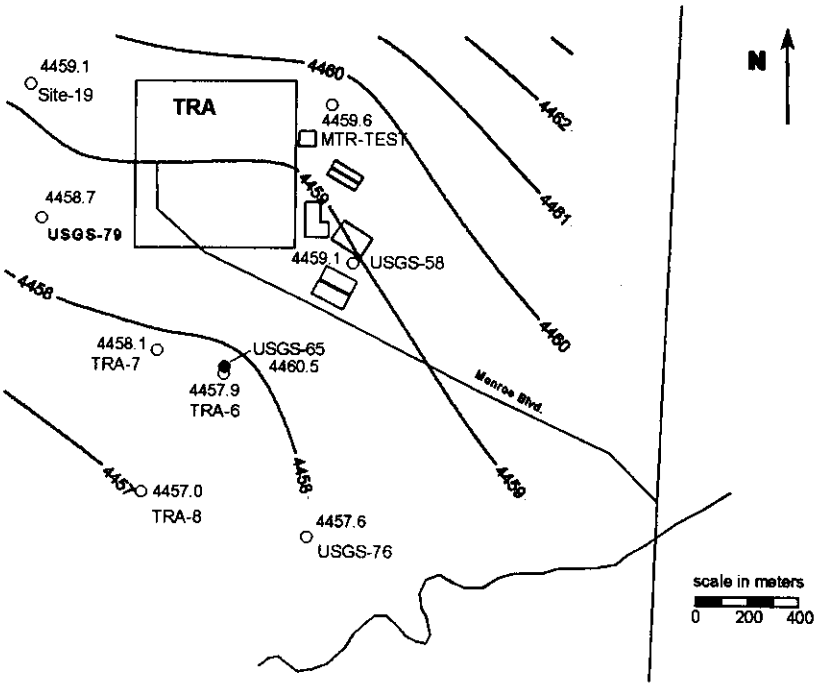

Figure 4-2. Aquifer head contour map - spring 1991.

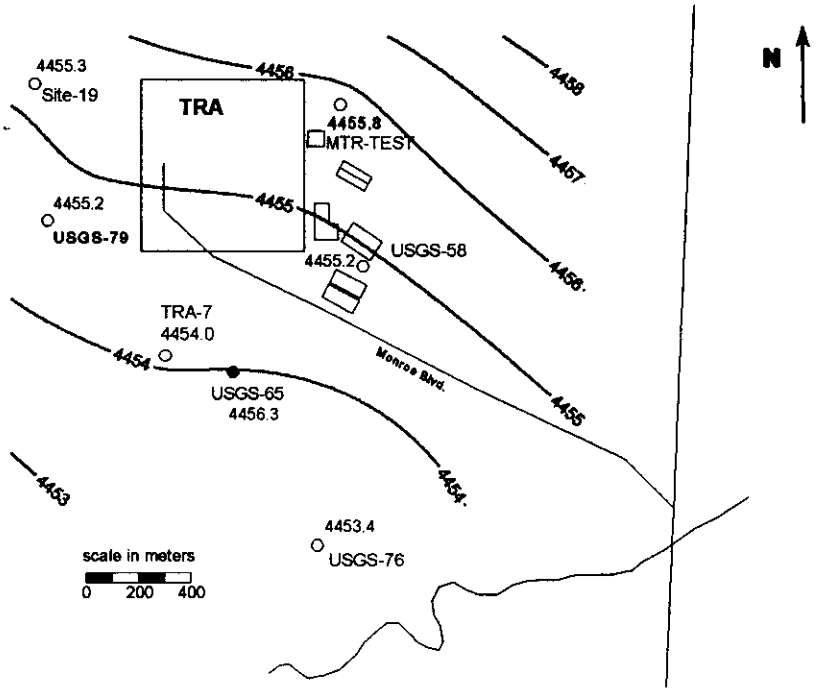

Figure 4-3. Aquifer head contour map - Spring 1994.

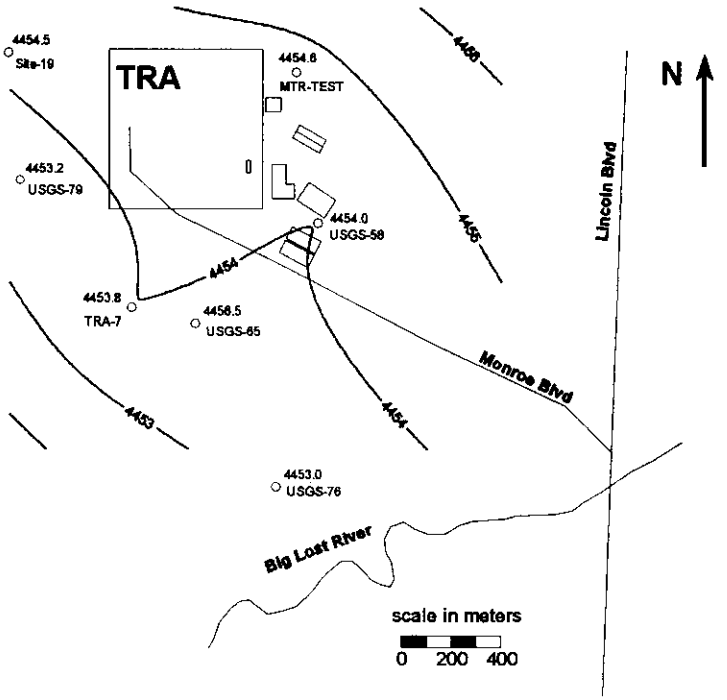

Figure 4-4. Aquifer head contour map - Spring 1995.

Minor changes in heads in the aquifer can be expected as a result of recharge from the Big Lost River during periods of intermittent flow. There was no flow in the Big Lost river from 1987 to 1993. The Big Lost River flowed during the spring of 1993, 1995, and 1996. It is concluded that transport conditions in the aquifer remain approximately the same as during the pre-ROD period.

4.4 Summary of Aquifer Head Patterns

Head patterns in the aquifer reflect regional changes resulting primarily from recharge patterns at the periphery. Heads in well USGS-65 reflect a downward vertical gradient in the upper portion of the aquifer at that location; the underlying sedimentary layer may inhibit direct hydraulic connection to the lower zones. Flow conditions affecting contaminant transport in the aquifer remain approximately the same as they were during the immediate pre-ROD period (1991).

5. CONTAMINANT TREND ANALYSIS

In support of the project objectives stated in the monitoring plan (Dames and Moore, 1993), post-ROD monitoring results are used in the assessment and evaluation of water quality in the DPWS and the SRP aquifer in the vicinity of the TRA. Post-ROD data from OU 2-12 wells are evaluated with respect to established concentration trends and calculated tolerance limits.

5.1 OU 2-12 Post-ROD Monitoring Results

Post-ROD monitoring results are tabulated in Appendix C for all OU 2-12 wells. The tables in Appendix C identify the various contaminants of concern for each well, along with the associated analytical results and data qualifier flags. The data qualifier flags reflect laboratory and validator applied flags. QC samples are differentiated from monitoring samples with an 'X' in the QC column. The post-ROD sampling dates are also shown on the tables, along with the post-ROD sampling round and an indication of whether the applicable sample collected was filtered or unfiltered.

The first annual technical memorandum (Jessmore, 1994) addressed post-ROD results through round 4 and made comparisons to pre-ROD trends, where available. Post-ROD results through round 8 were addressed in the second technical memorandum (Arnett et al, 1995). The tables in the OU 2-12 Data section of Appendix C include all post-ROD sampling results through round 12.

5.2 Tolerance Limit Calculations and Regression Analysis

Concentration versus time plots for OU 2-12 contaminants of concern are presented in Appendix D. These plots present available pre- and post-ROD concentration results, along with the associated upper tolerance limit (UTL), recalculated using data through round 8. In general, a plot is included for each contaminant with a sufficient number of data points (i.e., at least five detected data points at the end of the second year of sampling) to calculate an UTL.

Upper tolerance limits are calculated using a one-sided tolerance factor (k) such that 95% of the observed concentrations fall within the calculated limits with a 99% confidence level. Trend determinations for each well and contaminant are based on performing a linear regression analysis. The UTL and a regression line are shown on the plots in Appendix D where the p-value associated with the statistical test of a non-zero regression line slope was less than 0.05. A p-value less than 0.05 is a strong indication of a significant trend. If no trend was found, no regression line is shown on the plot and the UTL is presented as a non-sloping line. If a significant trend was identified, the UTL and regression line are both included on the plot. In these cases, sloped UTLs represent upper tolerance bands for the linear regression analysis and graphically show the direction and magnitude of the trend. A negative slope indicates a decreasing trend, whereas a positive slope indicates an increasing trend. A steeper slope indicates a stronger trend.

In accordance with the monitoring plan, historical data (i.e., pre-ROD data) and available data through the second year of post-ROD sampling were used to recalculate the UTLs and to make the trend determinations. Based on guidance received from the 1994 WAG managers meeting in Boise, Idaho, historical outliers (i.e., those pre-ROD data values that exceeded the initial upper tolerance limits calculated from the pre-ROD data) were excluded from the data set used to recalculate the UTLs and to make the trend determinations. As required by the monitoring plan, trend determinations and UTL calculations are to be updated annually incorporating results from each new year of sampling. For some of the OU 2-12 plots included in Appendix D, additional post-ROD time-period data were included. Based on comments received from the EPA after the second TM, additional USGS data from July 1993 forward were included in the data set.

Specific UTLs addressed in the monitoring plan, initially calculated using only pre-ROD data, are referred to as 'initial UTLs' in this TM. Any reference to 'recalculated UTLs' in this TM refers to the UTLs determined with all post-ROD data through round 8. Data from the last year of post-ROD sampling (rounds 9 through 12) are then compared to the recalculated UTL's to determine exceedances and deviations from existing trends.

For the post-ROD data, if a concentration was found to be less than the instrument detection limit (i.e., there was an associated qualifier flag of 'U'), an adjustment was made to the value. In these instances, the value was set at half the instrument detection limit. These values are considered to be the best estimate of the true value and, as such, are used in the linear regression and the UTL calculations. The adjusted concentrations were also used on the concentration versus time plots presented in Appendix D. For metals, only filtered data from the post-ROD sampling events were used in the linear regression and UTL calculations since available pre-ROD data were assumed to be filtered. For the radiological constituents, only non-filtered data were used in the linear regression and UTL calculations for a similar reason. During the round 12 sampling event, unfiltered chromium samples and filtered radiological contaminant samples were collected. These results are not expected to be used in future trend determinations or UTL calculations, but are presented on the Appendix D plots with a different symbol from previous post-ROD data for comparison purposes.

Finally, where duplicate samples were collected, the median of the reported results was used for the linear regression, the UTL calculations, and on the plots presented in Appendix D. The use of the median of the duplicate results represents a change from past technical memorandum summaries and calculations and resulted from review comments received on previous technical memorandums.

5.3 Trend Determinations and Excursion Summary

For each OU 2-12 well, trend determinations and post-ROD excursions above the recalculated UTLs are identified in accordance with guidance presented in the monitoring plan. Post-ROD data are compared to the recalculated UTLs for the assessment of excursions. Excursions are defined as an exceedance of an applicable UTL. As stated in the monitoring plan, concentrations falling within the tolerance limits will be assumed to be normal and will require no contingency actions.

As previously stated, trend determinations and UTL calculations are based on available data (both OU 2-12 and USGS) through OU 2-12 round 8 sampling. No attempts were made to assess trends from varying time periods. Had different time periods, or data through round 12 been used to assess the trends and UTLs, different determinations for some of the well contaminants could have resulted.

An evaluation of post-ROD data with respect to the contaminant trends and the recalculated UTLs follows.

- Deep Perched Well PW-11

Based on available post-ROD data through round 8, no significant decreasing or increasing trends were identified for any of the PW-11 contaminants. Additionally, there have been no post-ROD excursions above the recalculated UTLs for any of the PW-11 contaminants.

- Deep Perched Well PW-12

Significant decreasing trends were identified for both Am-241 and Sr-90. Both the round 11 and round 12 results for Sr-90 exceeded the recalculated UTLs. As previously stated, the round 12 analytical result for Sr-90 was from a filtered sample. Previous Sr-90 results were from unfiltered samples. No other significant decreasing or increasing trends were identified for the remainder of the PW-12 contaminants, and there were no additional UTL excursions.

- Deep Perched Well USGS-53

A significant increasing trend was identified for chromium in USGS-53, while a significant decreasing trend was identified for tritium. Several excursions above the recalculated UTLs for chromium were noted, both from OU 2-12 and USGS sampling results. No post-ROD excursions were noted for tritium.

While no significant increasing trend was identified for hexavalent chromium, the round 9 result exceeded the UTL. This corresponds to a high level of total chromium for that time period. It should be noted that USGS-53 was not sampled after round 10 since the water level dropped below the bottom of the open interval during the round 11 and 12 sampling events.

- Deep Perched Well USGS-54

Significant decreasing trends were identified for both arsenic and chromium, based on data through round 8. No other USGS-54 contaminants exhibited significant trends.

Post-ROD excursions above the applicable UTLs were not noted for any of the contaminants except chromium. The round 12 chromium result greatly exceeded the UTL. However, this sample was unfiltered and all previous data were from filtered samples. The chromium concentration from a filtered USGS sample taken within a week of the round 12 sample was reported at 13 µg/l, well within the UTL. The round 12 result is included on the plots in Appendix D for comparison; however, the true filtered chromium concentration should be

somewhat less than that shown. USGS-54 was resampled for filtered chromium in July 1996 to determine the concentration. These results are not available for inclusion in this report.

- Deep Perched Well USGS-55

Significant decreasing trends were identified for both chromium and tritium, when data through round 8 were considered. There were no post-ROD excursions above the UTLs for any of the USGS-55 contaminants.

- Deep Perched Well USGS-56

Significant decreasing trends were identified for both chromium and tritium, based on data through round 8. There were no post-ROD excursions above the UTLs for any of the USGS-56 contaminants.

- Aquifer Well TRA-7

Time verses concentration plots are included for chromium and tritium results from TRA-7. However, at the end of round 8, insufficient data existed to make trend determinations (i.e., less than five data points). Therefore, no UTL or regression lines are presented on these plots.

- Aquifer Well USGS-58

A statistically significant increasing trend was identified for tritium in USGS-58, based on data through round 8. With the exception of one high pre-ROD value, pre-ROD tritium concentrations ranged from 2.0 to 5.1 pCi/mL, while post-ROD OU 2-12 tritium concentrations ranged from 4.08 to 5.59 pCi/mL. All concentrations reported to date have been below the FPDWS of 20 pCi/mL and no post-ROD excursions were identified for either tritium or chromium in USGS-58.

- Aquifer Well USGS-65

Significant decreasing trends were identified for both chromium and tritium, based on data through round 8. Post-ROD excursions were noted for tritium using both OU 2-12 and USGS data collected since January 1996. The OU 2-12 round 11 tritium result of 23 pCi/L is identified as an excursion, even though the result is the lowest post-ROD result reported. The OU 2-12 round 12 result, also identified as an excursion, was from a filtered sample while all previous results have been from unfiltered samples.

5.4 Changes from Identified Pre-ROD Contaminant Trends

Pre-ROD data are available for chromium and tritium for some of the OU 2-12 wells. For these wells, pre-ROD contaminant trends were identified prior to the start of post-ROD monitoring and were discussed in the initial technical memorandum (Jessmore, 1994). Table 5-1 summarizes these initial contaminant trends and presents the reassessed contaminant trends determined after round 8, with any deviations from the initial trends italicized.

Table 5-1. Deviations in contaminant trends.

Well Identifier	Contaminant	Observed trend	
		From pre-ROD data	From data through round 8
USGS-53	Chromium	None	*Increasing*
	Tritium	Decreasing	Decreasing
USGS-54	Chromium	Decreasing	Decreasing
	Tritium	None	None
USGS-55	Chromium	None	*Decreasing*
	Tritium	None	*Decreasing*
USGS-56	Chromium	None	*Decreasing*
	Tritium	Decreasing	Decreasing
USGS-58	Chromium	None	None
	Tritium	None	*Increasing*
USGS-65	Chromium	Decreasing	Decreasing
	Tritium	Decreasing	Decreasing

Italics indicate deviations from the pre-ROD trends

The differences noted in Table 5-1 between the initial trends assessed with only pre-ROD data and the trends assessed using data through round 8 are the result of the different data sets used to make the determinations. For chromium in USGS-53 and tritium in USGS-58, the incorporation of post-ROD OU 2-12 and USGS data resulted in increasing trends for these contaminants. This is in contrast to the model predictions provided in the monitoring plan. For USGS-53, no further chromium concentrations can be obtained since the water level fell below the bottom of the open interval during round 11 and 12. For USGS-58, post-ROD tritium concentrations have fluctuated, with concentrations higher than most pre-ROD levels.

In agreement with model predictions discussed in the monitoring plan, trend assessments show changes from no significant trends to decreasing trends for chromium in USGS-55 and USGS-56 and tritium in USGS-55. As shown in Table 5-1, the majority of the trends (based on data through round 8) agree with model predictions.

6. PERCHED WATER CONTAMINANT AREAL PLOTS

The purpose of this section is to graphically present and evaluate important areal changes in the concentrations of selected contaminants over time in the DPWS using both OU 2-12 and USGS data. It is intended to be complementary to the statistical trend analysis presented in the previous section. The bubble graph technique is used to present areal contaminant distributions. Consideration was also given to preparing concentration contour maps to show the areal distribution in the aquifer. Contour maps were not prepared for two reasons: (1) the open intervals in the aquifer wells varied significantly (see Appendix F), and (2) and the OU 2-12 monitoring (including well TRA-8) and most of USGS monitoring were not conducted at the same time. This resulted in too few data points at any given time to prepare a reliable contour map.

The bubble technique plots a filled circle or "bubble" at the well location with the bubble area proportional to the contaminant concentration at the well. Each bubble graph has a key showing a small and large bubble with the corresponding concentrations. The key provides a visual reference for relating the size of the bubble to concentration. The contaminant concentrations at the well locations are represented by bubbles that are sized in relation to the key. A bubble with an area midway between the area of the small and large key bubbles would represent a concentration midway between the key bubble concentrations. Bubble graphs are an easy and convenient method of graphically displaying significant areal changes in contaminant concentrations and temporal changes in the areal distributions.

6.1 Contaminants

The key contaminants in terms of significant measured and predicted concentrations in the aquifer are tritium and total chromium. USGS contaminant data are available from the time a well was drilled for many perched and aquifer wells. Contaminant concentration data collected by the USGS for the selected contaminants from 1991 to 1996 are presented to supplement the data collected under the OU 2-12 monitoring program.

6.2 Tritium Areal Plots

Bubble graphs of tritium concentrations in the DPWS at OU 2-12 and USGS network wells are presented in Figures 6-1 through 6-4 for spring 1991, 1994, 1995, and 1996, respectively. Only OU 2-12 data are available for April 1996. Concentrations decreased slightly or remained fairly constant in all wells from 1991 to 1996. Tritium concentrations in aquifer wells for the same periods are presented in Figures 6-5 through 6-8, respectively. Tritium concentrations appear to be decreasing in most USGS and OU 2-12 monitored wells. There is a trend of increasing tritium concentrations in well USGS-58, although the highest concentration is small compared to the Federal Primary Drinking Water Standard (FPDWS) published in 40 CFR 141.11. There were insufficient data to perform a trend analysis with data from well TRA-7. The bubble graphs show an increased tritium concentration from 1991 to 1994 and a decrease from 1994 to 1995. There was a significant tritium concentration decrease from 1995 to 1996 in well USGS-56 with insignificant changes in the other DPWS wells.

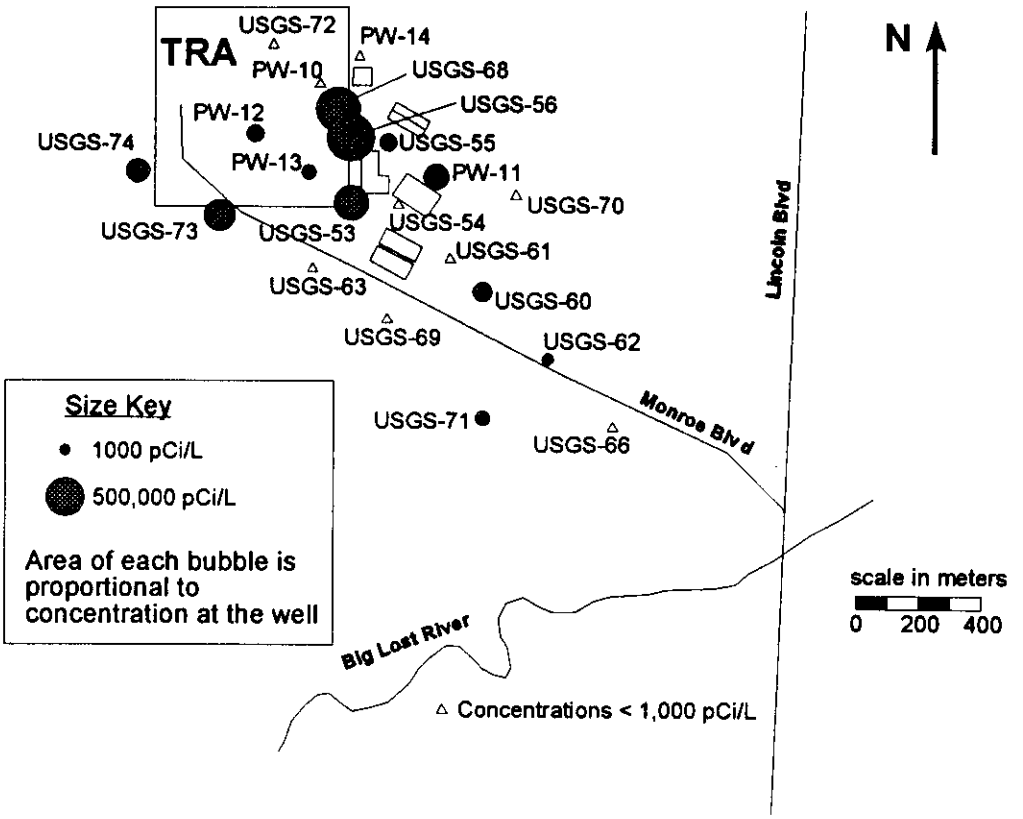

Figure 6-1. Tritium concentrations in DPWS wells for winter 1991 (SI data).

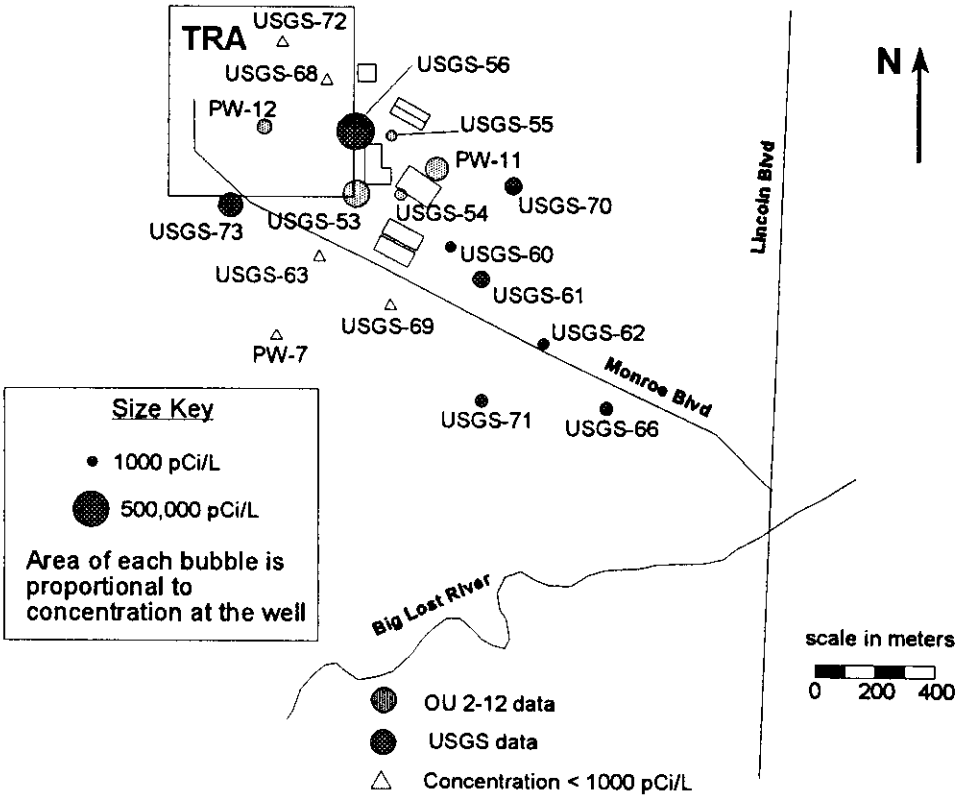

Figure 6-2. Tritium concentrations in DPWS wells for spring 1994.

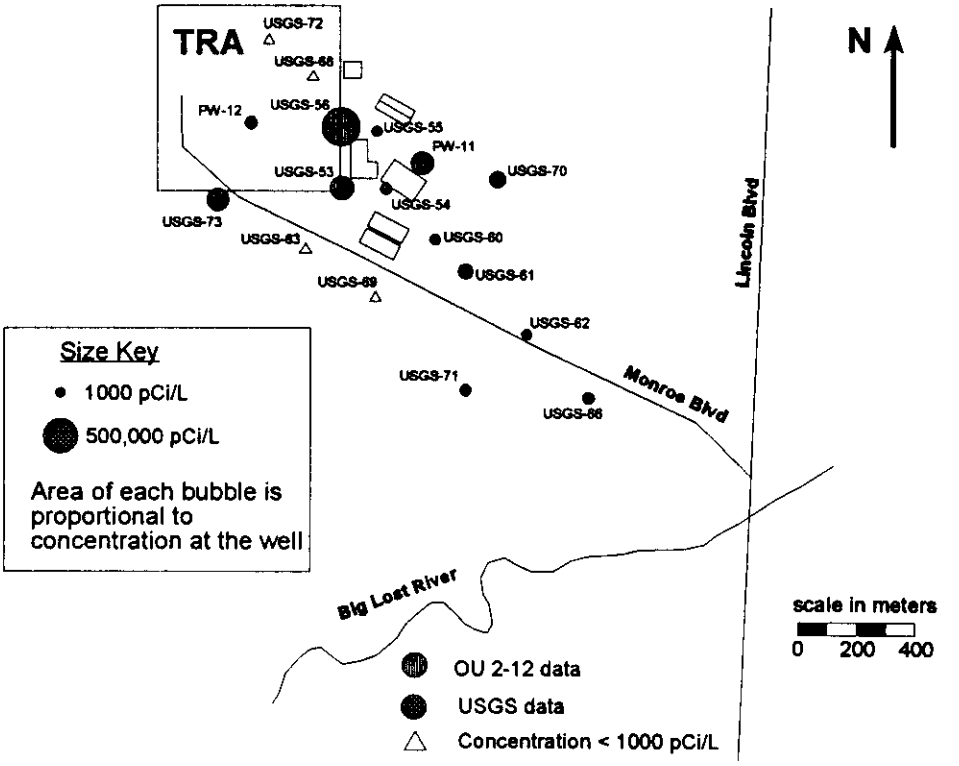

Figure 6-3. Tritium concentrations in DPWS wells for spring 1995.

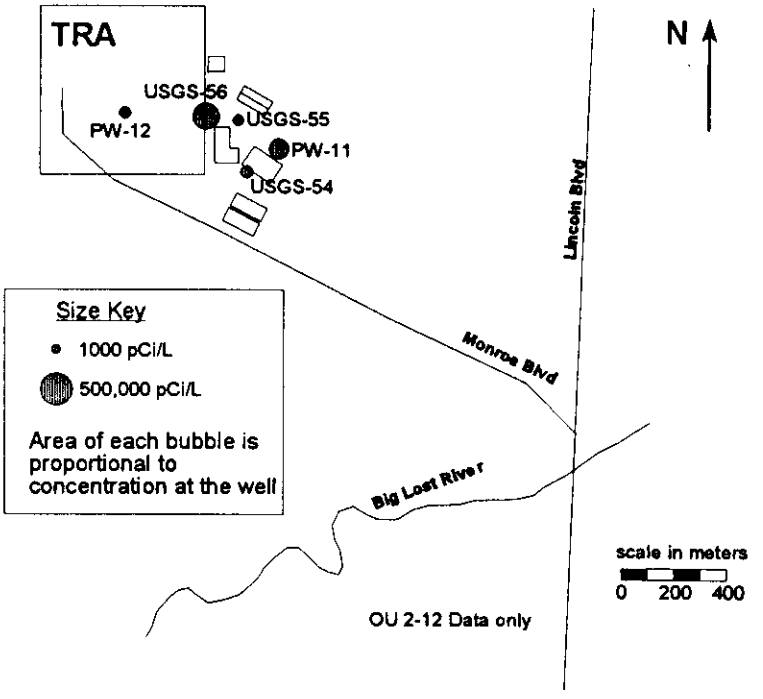

Figure 6-4. Tritium concentrations for DPWS wells for spring 1996.

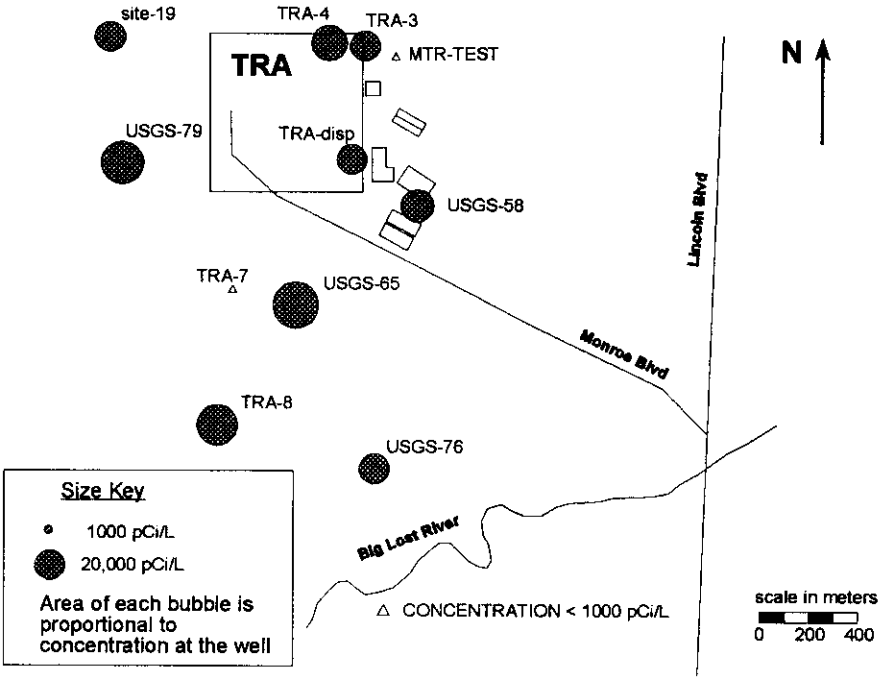

Figure 6-5. Tritium concentrations in aquifer wells for spring 1991.

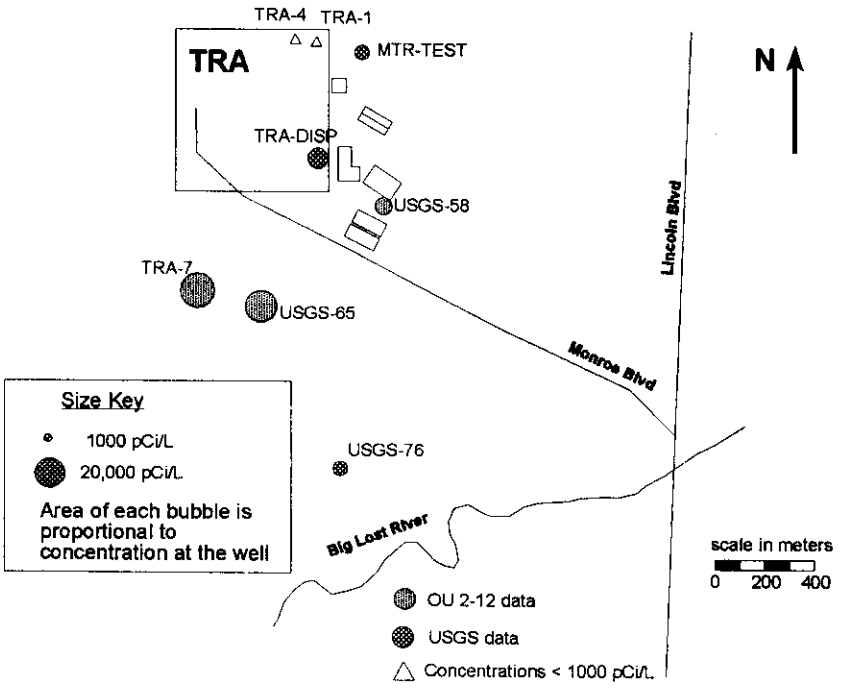

Figure 6-6. Tritium concentrations in aquifer wells for spring/summer 1994.

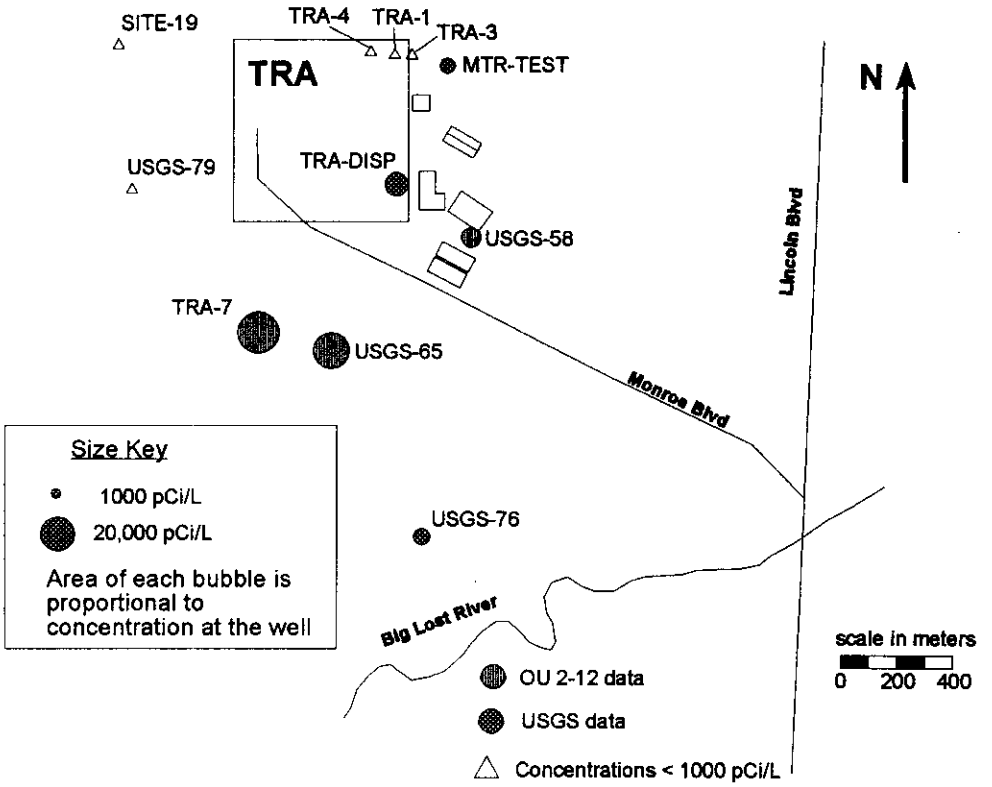

Figure 6-7. Tritium concentrations in aquifer wells for spring/summer 1995.

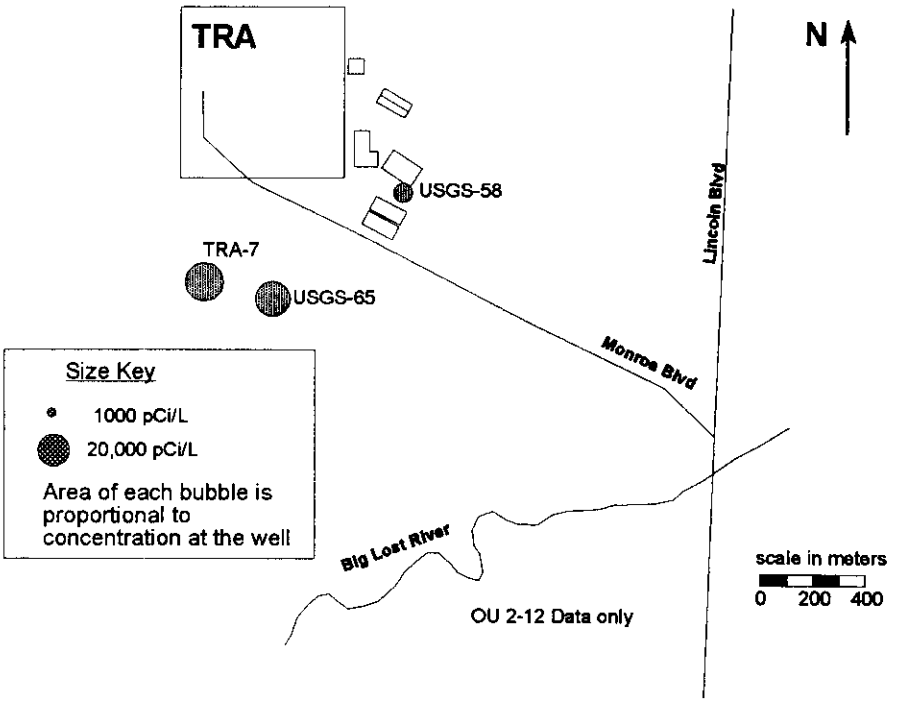

Figure 6-8. Tritium concentrations in aquifer wells for spring 1996.

6.3 Chromium Areal Plots

Chromium concentrations in the DPWS are presented in Figures 6-9 through 6-12 for the spring of 1991, 1994, 1995, and 1996, respectively. Plots of SRP aquifer chromium concentrations for the same periods are presented in Figures 6-13 through 6-16. Based on analytical results from samples collected from these wells, concentrations decreased slightly or were essentially unchanged in all wells except well USGS-53, where a significant increase was observed. Chromium concentrations in USGS-53 were 391, 814, and 599 µg/L for rounds 8, 9 and 10, respectively. On Figures 6-14 and 6-15, USGS data were used for the spring/summer of 1994 and 1995 for USGS-53 rather than the OU 2-12 data because the USGS values were slightly higher and the samples were collected a few days apart. No sample was collected from USGS-53 after October 1995 because the well became dry after the October 1995 sampling. It should be noted that well USGS-53 was used intermittently in the early 1960s as a disposal well for cooling water blow-down, which included chromates (Doornbos et al., 1991). It appears that chromium from that period continues to desorb. Recently, lowered pond discharge rates and falling water levels may have contributed to higher chromium concentrations.

Chromium concentrations in the SRP aquifer show a pattern of little change or decreasing concentrations. Concentrations in well TRA-7 show a pattern similar to that in USGS-65. Chromium concentrations in well USGS-58 are much lower and well below the FPDWS of 100 µg/L.

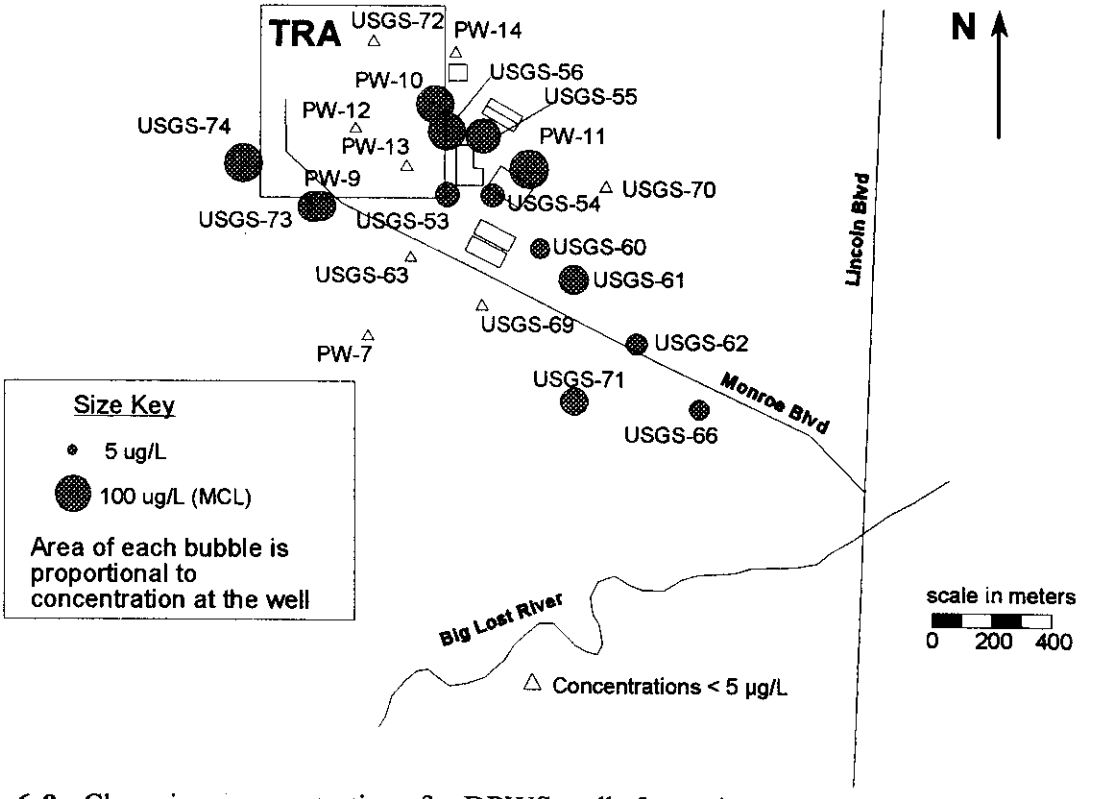

Figure 6-9. Chromium concentrations for DPWS wells for spring 1991.

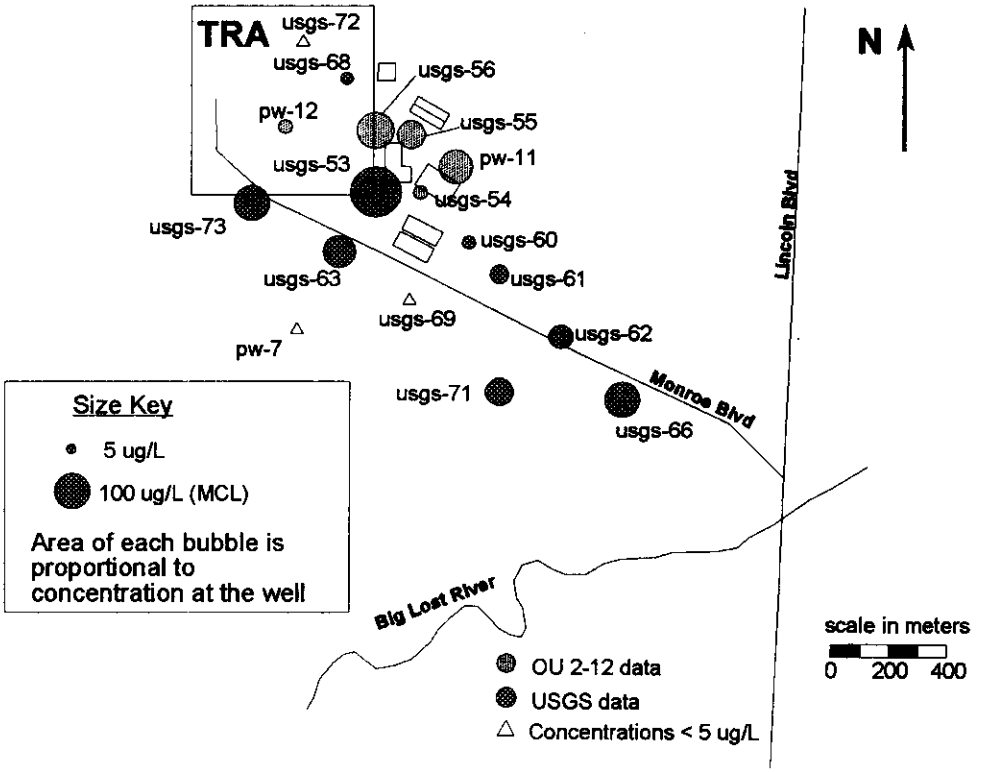

Figure 6-10. Chromium concentrations for DPWS wells for spring/summer 1994.

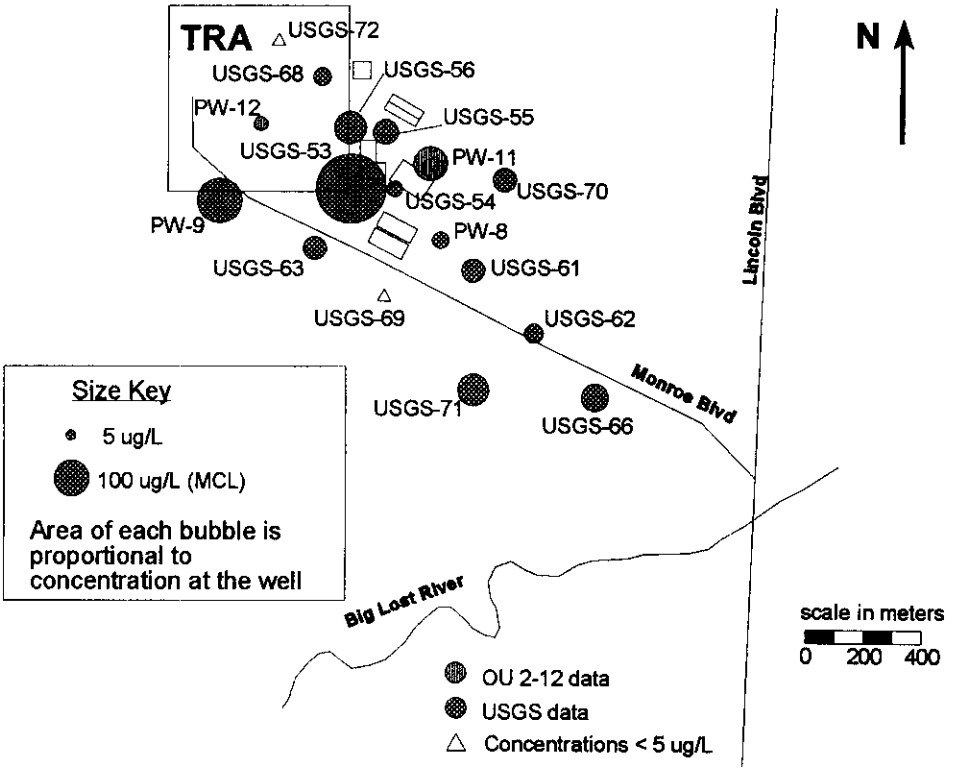

Figure 6-11. Chromium concentrations for DPWS wells for spring/summer 1995.

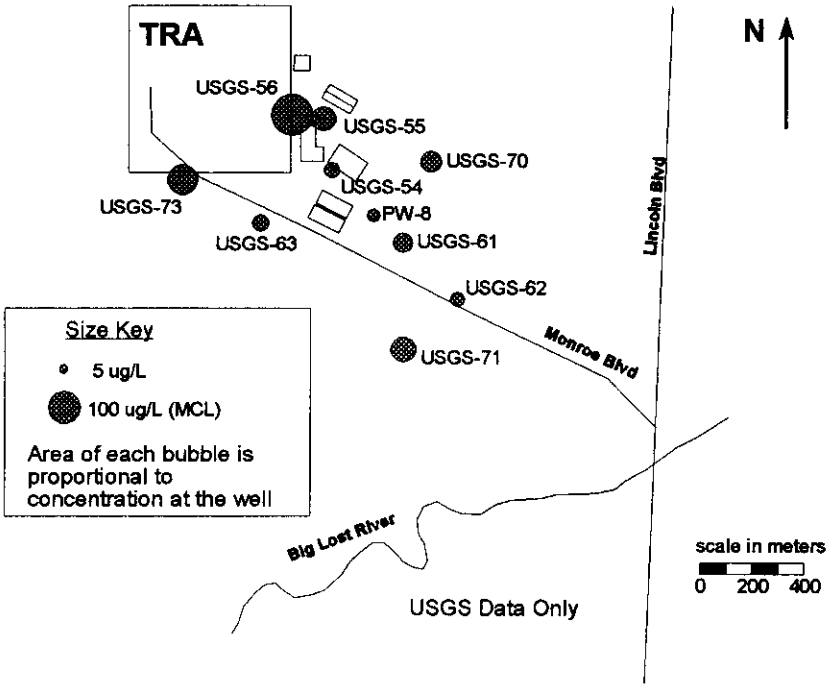

Figure 6-12. Chromium concentrations for DPWS wells for spring 1996.

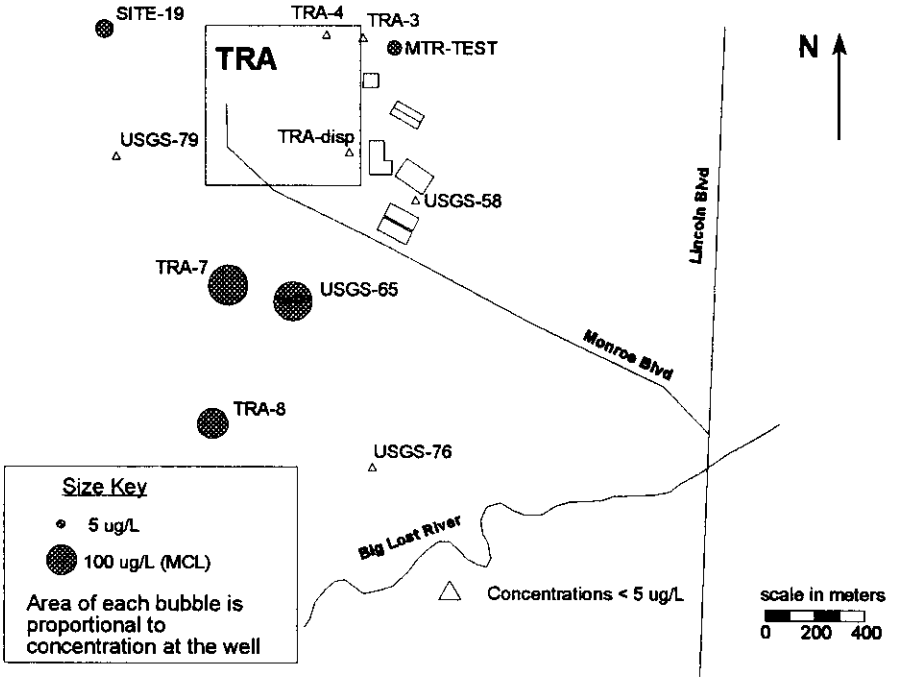

Figure 6-13. Chromium concentrations in aquifer wells for spring 1991.

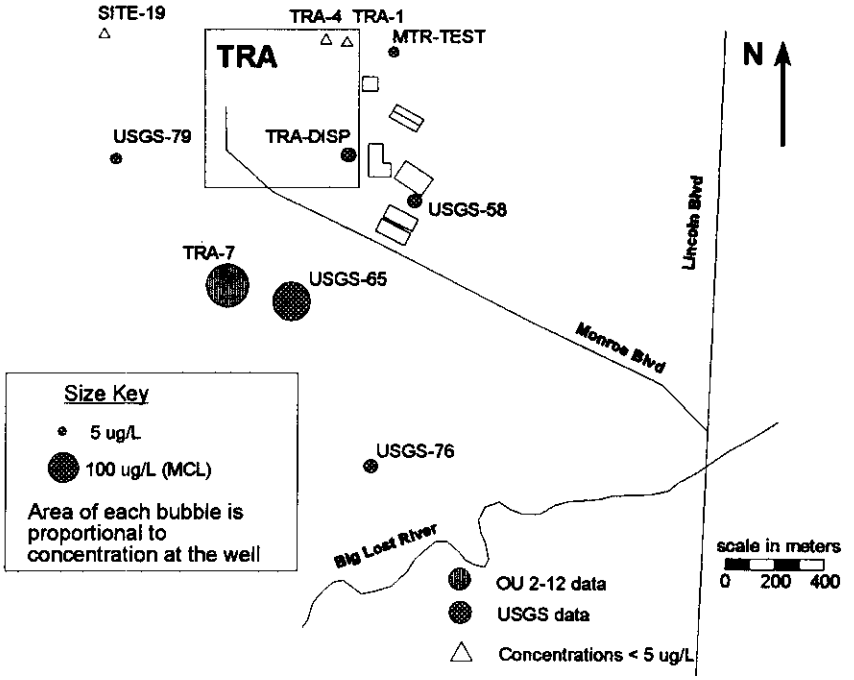

Figure 6-14. Chromium concentrations in aquifer wells for spring-summer 1994.

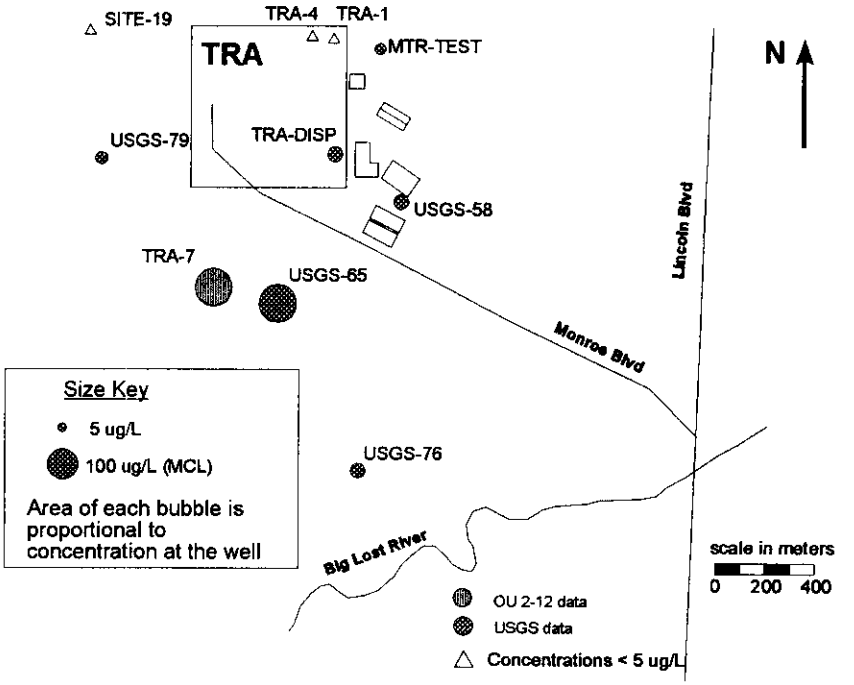

Figure 6-15. Chromium concentrations in aquifer wells for spring-summer 1995.

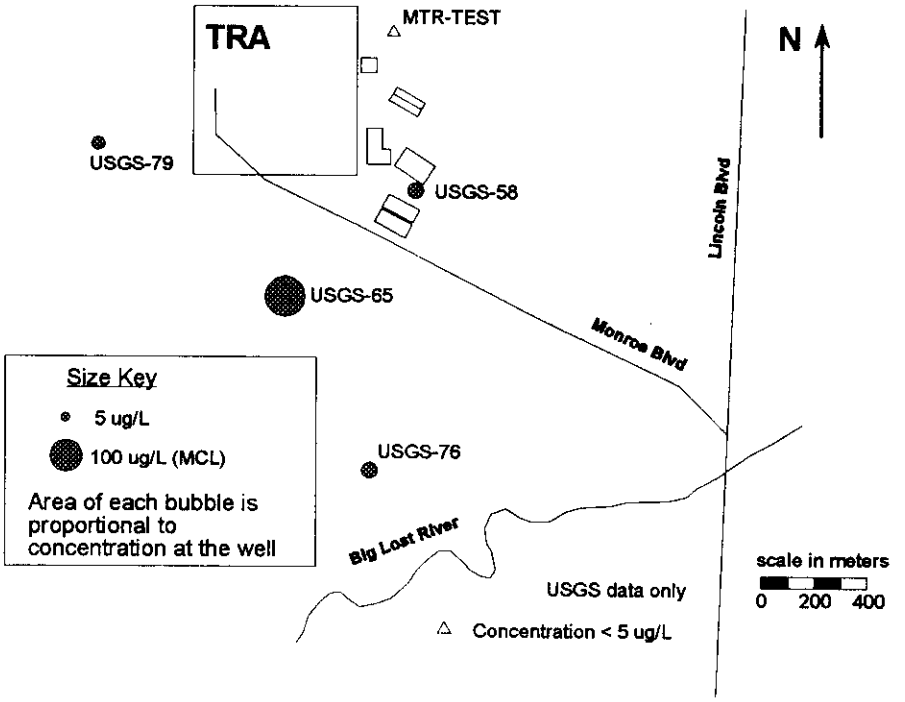

Figure 6-16. Chromium concentrations in aquifer wells for spring 1996.

6.4 Changes Attributable to Warm Waste Pond Discontinuance

As shown in the bubble graphs, tritium concentrations have decreased slightly or remained essentially unchanged in most wells since 1991. Tritium concentrations in DPWS wells in the immediate vicinity of the CWP are low, suggesting that tritium flushing is near completion in that area. Northwest of the CWP, tritium concentrations in the DPWS are slowly declining or essentially unchanged. This suggests that flushing in this area since discharge was discontinued to the WWP is slow, due to a different hydraulic regime. Chromium concentrations have decreased in most DPWS wells except for well USGS-53. Failure of chromium to decline in well USGS-53 may be due to slow desorption or sampling the very top of the DPWS. Removing the WWP from service appears to have caused a reduction in contaminant concentrations in most, but not all DPWS wells. Concentrations of tritium and chromium remain high in several aquifer wells, and discontinuance of the WWP does not yet appear to have affected contaminant concentrations in the SRP aquifer wells.

7. COMPARISON OF OU 2-12 DATA TO PREDICTED TRENDS

Monitoring the DPWS and the SRP aquifer was designed to monitor any contamination in the aquifer beneath TRA. The no-action decision for OU 2-12 resulted from predicting no adverse effects on the SRP aquifer. Expected changes in aquifer contaminant concentrations are based on the fate and transport computer model predictions presented in the OU 2-12 RI/FS (Lewis et al. 1992). These expected changes are summarized in a series of statements in the OU 2-12 monitoring plan (Dames and Moore, 1993).

Table 7-1 presents a comparison of maximum observed concentrations in aquifer wells with the expectations presented in the monitoring plan and the OU 2-12 RI/FS. Background concentrations in the SRP aquifer from Orr et al. (1991) and the Maximum Contaminant Levels (MCL) from the FPDWS are also presented on Table 7-1 as points of reference.

Table 7-1 shows that arsenic, beryllium, cesium-13, and cobalt-60 remained below the detection limit as expected. The OU 2-12 monitoring plan stated that several other contaminants were expected to remain below the detection limit. The maximum observed concentration of americium-241 was slightly above the detection limit in a single sample, but was less than 1/20 the proposed MCL. Fluoride and lead concentrations were below the background for the SRP aquifer. No background for manganese is given, but the maximum concentration is far below the secondary MCL. Contrary to expectations of an increase followed by a decrease, strontium-90 concentrations have always been below the detection limit. Cadmium has been detected at concentrations somewhat above the detection limit and aquifer background. This is consistent with expectations of an increase followed by a rapid decline.

Table 7-1 Aquifer well observed, background, MCL, and expected concentrations.

Contaminant	Expected Changes[1]	Maximum Conc.	Background Conc.	MCL[2]
Americium-241	remain BD [3]	0.23	.012	6.34 (proposed)
Arsenic	remain BD	all BD	2	50
Beryllium	remain BD	all BD	--	4
Cadmium	increase then rapidly decline	7	<1	10
Cesium-137	remain BD	all BD	0 µg/L	119 (proposed)
Chromium	continue to decrease	209 (filtered)	2-3	100
Cobalt-60	increase then decrease	all BD	0	218 (proposed)
Fluoride	remain below background	190	400-500	4,000 2,000 (secondary)
Lead	remain below background	4.6 (filtered)	< 5	50
Manganese	remain below background	6.7	--	50 (secondary)
Strontium-90	increase then decrease	all BD	0.09	8
Tritium	continue to decrease	37,600	35	20,000

[1] Expected changes are based on the predictions presented in the monitoring plan (Dames and Moore, 1993)
[2] MCL = federal Maximum Contaminant Level
[3] BD = below detection
secondary = secondary MCL proposed = proposed MCL for specific radionuclides
Units = all radiological contaminants are in units of pCi/L
all other contaminants are in units of µg/L

Observed tritium and chromium concentrations remain above the respective MCLs in aquifer wells USGS-65 and TRA-7. Model predicted changes in tritium and chromium concentrations in the SRP aquifer are plotted together with OU 2-12 measured concentrations in

wells USGS-65 and TRA-7 in Figures 7-1 and 7-2, respectively. The model predictions for tritium and chromium were interpolated from Figures 5-40 and 5-41 of Lewis et al. (1992) and are maximum predicted aquifer concentrations anywhere in the model domain. Hence, it is not unexpected that model predicted concentrations are higher than the measured concentrations at the two wells.

Only the post-ROD OU 2-12 monitoring data are presented on Figures 7-1 and 7-2. The measured tritium concentration pattern is an attenuated reflection of the model predictions and is consistent with a location displaced from the peak concentration of the aquifer tritium plume. Measured tritium concentrations should continue to decline albeit at a lower rate than the predicted maximum concentrations.

It is not clear that post-ROD measured chromium concentrations at TRA-7 and USGS-65 are declining. The model predicted that maximum chromium concentrations should decline throughout the post-ROD monitoring period. One would expect declining chromium concentrations at the wells based on the model predictions. One would anticipate that the rate of decline at the well locations would be less than the rate of decline at the center of the contaminant plume, but there is no apparent decline based on the post-ROD data alone.

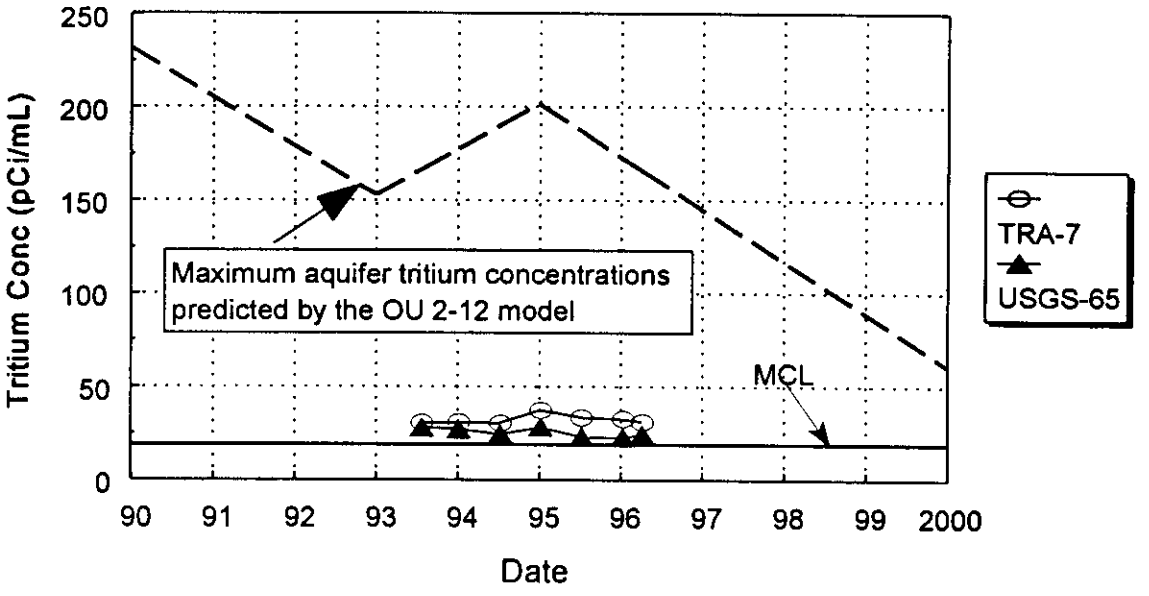

Figure 7-1. Comparison of model predicted and measured aquifer tritium concentrations.

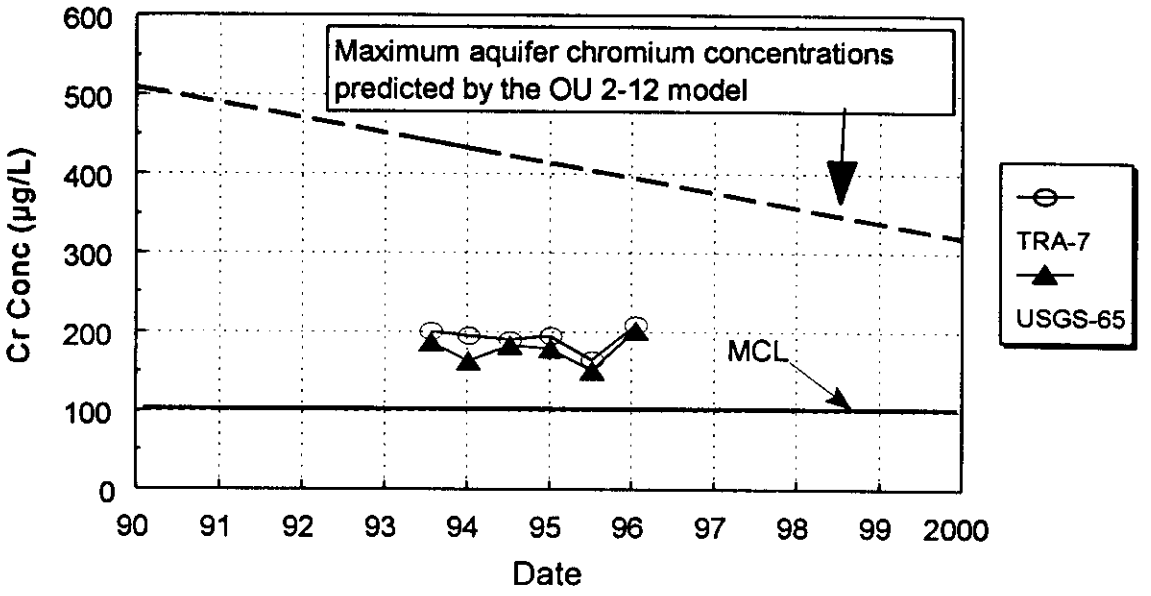

Figure 7-2. Comparison of model predicted vs. measured aquifer chromium concentrations.

Cadmium concentrations in the aquifer wells were below the detection limit (see Appendix C) until sampling round 11 (January, 1996) when they varied from below the detection limit to 7 µg/L. Cadmium was predicted by the OU 2-12 model to rise to a maximum of 15 µg/L and then fall rapidly. The round 11 results suggest that additional cadmium analysis may be warranted. Americium-241 was below the detection limit in all samples except round 9 samples at USGS-58, when a concentration of 0.23 pCi/L was reported, more than an order of magnitude below the proposed MCL for americium of 6.34 pCi/L. Reported concentrations in USGS-58 and other aquifer wells since round 9 have been below the detection limit. This suggests that continued analysis of americium-241 is not justified.

Well TRA-8 was sampled during rounds 10 and 11 (October 1995 and January 1996). This well is located about 600 m down gradient of well USGS-65 (see Figure 2-5) and is completed somewhat deeper in the aquifer (see Appendix F). Figure 7-3 compares the tritium concentrations in TRA-8 with those in TRA-7 and USGS-65. Figure 7-4 compares total dissolved chromium concentrations in the same wells. Tritium concentrations in TRA-8 are below the MCL, whereas the concentrations in TRA-7 and USGS-65 are well above the MCL. Dispersion and a greater degree of vertical mixing are believed to be the principle mechanisms reducing tritium concentration from TRA-7 and USGS-65. Radioactive decay is believed to play a secondary role.

The chromium concentration at TRA-8 was slightly above the MCL in round 10 and below the MCL in round 11. Chromium concentrations are about half the concentrations measured in TRA-7 and USGS-65 if a 1-year time delay is assumed. Dispersion and vertical mixing are also believed to cause lower chromium concentrations at TRA-8. Sorption may also play a role. These results suggest that concentrations of both tritium and chromium fall

substantially as one moves away from the source, but it also reinforces the concept that the aquifer zone around wells TRA-7 and USGS-65 may be somewhat isolated from rest of the aquifer and be semi-stagnant in terms of contaminant transport.

Well TRA-6 is located very close to USGS-65 but the open interval is deeper (528-558 ft BLS compared to 456-493 ft, see Appendix F). The open interval in TRA-6 is below the interbed at the bottom of USGS-65. TRA-6 has not been sampled since the SI sampling, partly because the positive displacement pump inhibits water level measurements and makes sampling more difficult. However, some tritium and chromium concentrations from TRA-6 during the 1991 SI sampling were much lower than concentrations from USGS-65 samples taken at the same time. Sampling TRA-6 would help confirm or deny the hypothesis that the shallow aquifer zone represented by USGS-65 is isolated and semi-stagnant.

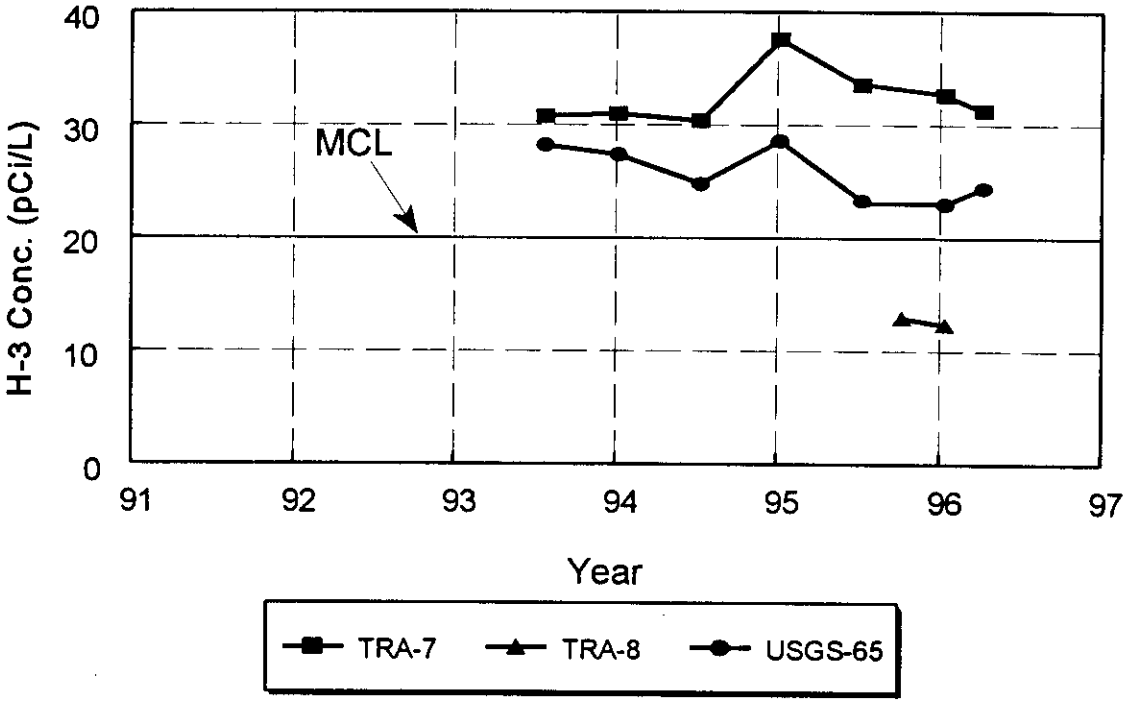

Figure 7-3. Tritium concentrations in aquifer wells TRA-8, TRA-7, and USGS-65,

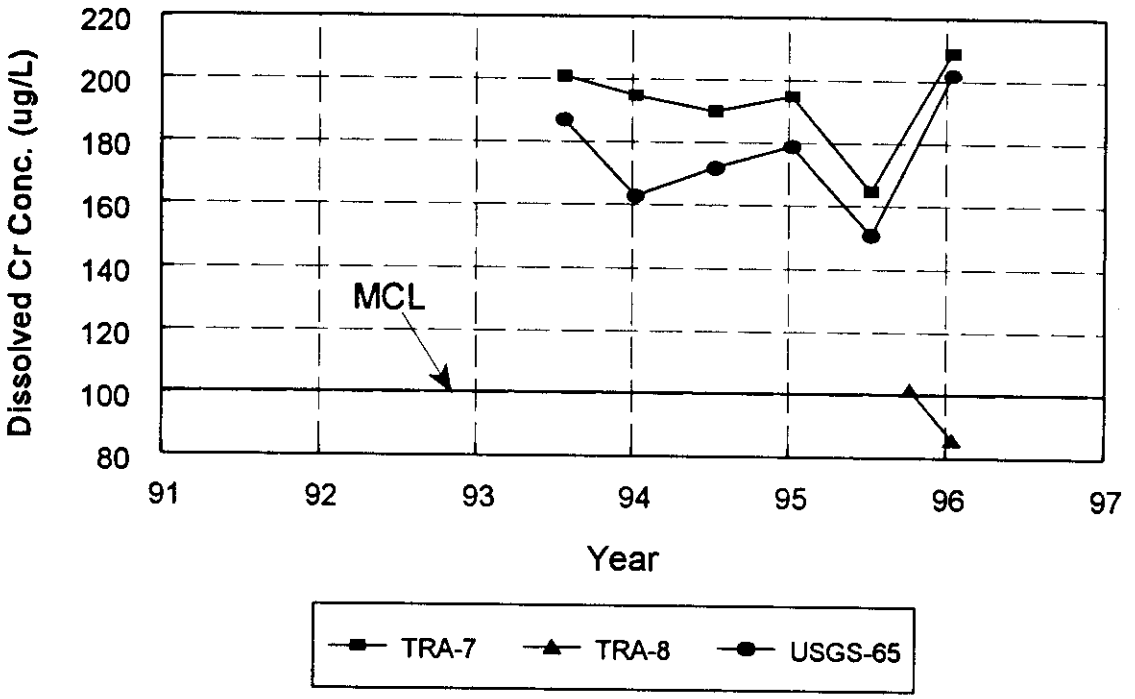

Figure 7-4. Chromium concentrations in aquifer wells TRA-8, TRA-7, and USGS-65,

8. SUMMARY AND RECOMMENDATIONS

The initial three years of OU 2-12 post-ROD monitoring have been completed for the TRA DPWS and SRP aquifer wells. Observed concentrations of a number of constituents in the aquifer have behaved according to the predictions stated in the monitoring plan for the three year monitoring period. Of the constituents with predictions in the monitoring plan, only americium-241, cadmium, chromium, and tritium were observed in the aquifer at concentrations greater than background. Chromium and tritium remain above MCLs. The concentrations of tritium in two of the three aquifer wells are generally consistent with model predictions for the 1993-1996 time period and much less than predicted concentrations in the third well. Chromium concentrations have not declined as expected, but they have not statistically increased. Chromium concentrations in the aquifer wells continue to be well below the model predictions. Cadmium concentrations were above the detection limit for round 11 only and were below the MCL. Americium-241 was reported at a concentration above the detection limit for a single round 9 sample. Concentrations since round 9 have all been below the detection limit for all aquifer wells.

It is anticipated that OU 2-12 monitoring will continue through the OU 2-13 RI/FS and ROD, currently scheduled for October, 1997. OU 2-13 monitoring will be designed to support the OU 2-13 ROD. During the transition period between the end of the initial three-year OU 2-12 monitoring and the beginning of the OU 2-13 monitoring, it is recommended that OU 2-12 monitoring continue with the following changes:

- Sampling should continue at aquifer well TRA-8.
- Sampling should begin at aquifer well TRA-6.
- Positive displacement pumps in wells TRA-6 and TRA-8 should be replaced with submersible pumps.
- Sampling frequency should be reduced to semi-annually for both the DPWS and the SRP aquifer wells.
- Aquifer wells should be sampled for total dissolved chromium and tritium semi-annually and cadmium, cobalt-60 and strontium-90 annually.
- DPWS wells should be sampled for total dissolved chromium, tritium, cadmium, cobalt-60 and strontium-90 semi-annually.

These recommendations are consistent with agreements among the agency WAG managers except for the recommendation to initiate sampling in TRA-8 and the recommendation to continue analysis of cadmium.

9. REFERENCES

Anderson, S. R., 1991, *Stratigraphy of the Unsaturated Zone and Uppermost Part of the Snake River Plain Aquifer at the Idaho Chemical Processing Plan and Test Reactors Area, Idaho National Engineering Laboratory, Idaho*, U. S. Geological Survey WRI Report 91-4010, U. S. Geological Survey, Idaho Falls, Idaho, 71 p.

Anderson, S. R, D. J. Ackerman, M. J. Liszewski, and R. M. Freiburger, 1996, *Stratigraphic Data for Wells at or Near the Idaho National Engineering Laboratory, Idaho*, U. S. Geologic Survey Open File Report 96-248, U. S. Geological Survey, Idaho Falls, Idaho, 27 p.

Arnett, R. C., J. M. McCarthy, G. T. Norrell, A. L. Shafer-Perini, T. R. Wood, 1993, *Basis for Initial Code Selection For WAG 10 Groundwater and Contaminant Transport Modeling at the Idaho National Engineering Laboratory*, EGG-ERD-10532, EG&G Idaho, Inc.

Arnett, R. C. and J. M. Brower, 1994, *Groundwater Flow Model Data for Model Calibration*, ER&WM-EDF-0001-93, EG&G Idaho, Inc.

Arnett, R. C, T. R. Meachum, and P. J. Jessmore, 1995, *Post Record of Decision Monitoring for the Test Reactor Perched Water System, Operable Unit 2-12, Second Annual Technical Memorandum*, Prepared by Lockheed Martin Idaho Technologies Company for the U. S. Department of Energy, 43 p.

Beard, K. V. , 1993, *INEL Well Resurvey*, Engineering Data File ER-WAG10-34, EG&G Idaho, Inc., Idaho Falls, ID, September.

Bishop, C. W., A. H. Wylie, and J. L. Mattick ,1992, *Results of Perched Water Aquifer Testing at the Test Reactor Area, Idaho National Engineering Laboratory, Idaho*, EGG-WM-10014, Revision 0, EG&G Idaho, Inc..

Bodnar, L. Z. and D. R. Percival (eds.), 1982, *Analytical Chemistry Branch Procedures Manual - Radiological and Environmental Sciences Laboratory*, IDO-12096, U. S. Department of Energy, Idaho Falls, ID.

Cecil, L. D., B. R. Orr, T. Norton, and S. R. Anderson, 1991, *Formation of Perched Ground-Water Zones and Concentrations of Selected Chemical Constituents in Water, Idaho National Engineering Laboratory, Idaho, 1986-88*, WRI report 91-4166, U. S. Geological Survey, Idaho Falls, Idaho, 53 p.

Dames and Moore, 1993, *Post Record of Decision Monitoring Plan for the Test Reactor Area Perched Water System Operable Unit 2-12*, EGG-ER-10547, Revision 1, Prepared for the EG&G Idaho, Inc. and the U. S. Department of Energy by Dames and Moore, Denver, CO 82202, 57 p.

Doornbos, M. H., et al., 1991, *Environmental Characterization Report for the Test Reactor Area*, EG&G-WM-9690, Revision 0, EG&G Idaho, Inc, September.

Garabedian, S. P., 1989, *Hydrology and Digital Simulation of the Regional Aquifer System, Eastern Snake River Plain, Idaho*, U. S. Geological Survey Open File Report 87-237, U. S. Geological Survey, Boise, Idaho.

Jessmore, P. J., 1994, *Technical Memorandum, Post Record of Decision Monitoring for the Test Reactor Perched Water System, Operable Unit 2-12*, Prepared by EG&G Idaho, Inc. for the U. S. Department of Energy, June 1994, 56 p.

Lewis, S. M., P. O. Sinton, M. J. Condran, J. W. Gordon, 1992, *Remedial Investigation Report for the Test Reactor Area Perched Water System (Operable Unit 2-12)*, EGG-WM-10002 Rev. 0, June, prepared for EG&G Idaho, Inc. and the U. S. Department of Energy, Idaho Field Office by Dames and Moore, 1125 Seventeenth Street, Suite 1200, Denver, Co 80202.

McCarthy, J. M., R. C. Arnett, R. M. Neupauer, M. J. Rohe, and C. Smith, 1994, *Technical Memorandum: Development of a Regional Groundwater Flow Model for the Area of the Idaho National Engineering Laboratory, Eastern Snake River Plain Aquifer*, EG&G Idaho, Inc., September.

Mundorff, M. J., E. G. Crosthwaite, and C. Kilburn, 1964, *Ground Water for Irrigation in the Snake River Basin in Idaho*, USGS Water-Supply Paper 1654, U. S. Geological Survey, Boise, Idaho, 224 p.

Orr, B. R., L. D. Cecil, and L. L. Knobel, *Background Concentrations of Selected Radionuclides, Organic Compounds, and Chemical Constituents in the Ground Water in the Vicinity of the Idaho National Engineering Laboratory*, USGS Water-Resources Investigations Report 91-4015, DOE/ID-22094. U. S. Geological Survey, Idaho Falls, Idaho, 52 p.

ROD, 1992, *Record of Decision, Test Reactor Area Perched Water System , Operable Unit 2-12, Idaho National Engineering Laboratory, Idaho Falls, Idaho*, Issued jointly by the U.S. Department of Energy, U.S. Environmental Protection Agency, and the Idaho State Department of Health and Welfare, December, 1992, 32 p.

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APPENDIX A - GROUNDWATER HYDRAULIC HEAD DATA

Depth to water data and groundwater elevations or heads above mean sea level are also presented to show changes in the hydraulic driving force.

OU 2-12 Head Data

USGS Head Data

Heads in Perched Wells - USGS data

InelName : pw-07

WlDate	Head (ft)
1/11/91	4,723.14
1/12/91	4,722.95
3/21/91	4,717.10
4/18/91	4,713.72
4/22/91	4,713.50
7/2/91	4,710.38
7/11/91	4,710.35
10/29/91	4,710.36
1/17/92	4,711.54
4/21/92	4,707.65
7/13/92	4,708.58
10/28/92	4,708.84
3/8/93	4,701.27
4/24/93	4,700.97
7/17/93	4,701.23
10/22/93	4,701.10
2/25/94	4,701.18
4/29/94	4,699.01

InelName : pw-08

WlDate	Head (ft)
1/4/91	4,852.31
1/12/91	4,851.16
3/21/91	4,852.53
4/5/91	4,854.44
7/1/91	4,854.18
7/2/91	4,854.37
10/22/91	4,849.74
1/10/92	4,837.63
4/6/92	4,831.02
6/18/92	4,832.03
7/13/92	4,832.02
10/13/92	4,837.10
3/8/93	4,841.55
4/6/93	4,845.62
7/17/93	4,850.63
10/7/93	4,859.48
1/19/94	4,847.08
4/8/94	4,848.14
7/13/94	4,852.00
9/29/94	4,849.12
1/18/95	4,842.34
4/10/95	4,842.45

InelName : pw-09

WlDate	Head (ft)
1/12/91	4,756.39
3/21/91	4,756.22
4/14/91	4,756.44
4/24/91	4,756.24
7/1/91	4,756.02
7/2/91	4,755.84
10/29/91	4,749.10
1/21/92	4,755.74
4/21/92	4,755.12

Heads in Perched Wells - USGS data

InelName : pw-09

WlDate	Head (ft)
6/18/92	4,754.43
7/13/92	4,754.23
10/15/92	4,753.76
2/4/93	4,753.81
4/6/93	4,754.04
7/20/93	4,754.52
10/8/93	4,754.74
1/14/94	4,755.17
4/25/94	4,755.08
7/12/94	4,754.77
10/24/94	4,754.41
1/18/95	4,754.31
4/6/95	4,754.46

InelName : pw-10

WlDate	Head (ft)
3/21/91	4,835.25
7/2/91	4,833.33

InelName : pw-11

WlDate	Head (ft)
3/21/91	4,812.55
7/2/91	4,812.10

InelName : pw-12

WlDate	Head (ft)
3/21/91	4,841.12
7/2/91	4,841.70

InelName : pw-13

WlDate	Head (ft)
3/21/91	4,859.71
7/2/91	4,858.54

InelName : pw-14

WlDate	Head (ft)
3/21/91	4,808.20
7/2/91	4,807.70

InelName : pz-1

WlDate	Head (ft)
3/21/91	4,846.49
7/2/91	4,846.48

InelName : usgs-053

WlDate	Head (ft)
1/12/91	4,854.96
1/28/91	4,855.69
3/21/91	4,856.29
4/8/91	4,857.55

Heads in Perched Wells - USGS data

InelName : usgs-053

WlDate	Head (ft)
7/2/91	4,858.24
7/8/91	4,857.55
1/22/92	4,847.48
7/25/92	4,846.60
10/28/92	4,847.10
3/8/93	4,849.02
4/19/93	4,850.50
7/16/93	4,855.32
10/14/93	4,864.14
10/15/93	4,864.27
2/8/94	4,850.89
4/18/94	4,850.76
7/19/94	4,854.76
10/25/94	4,851.03
1/11/95	4,849.61
4/7/95	4,849.40

InelName : usgs-054

WlDate	Head (ft)
1/12/91	4,856.78
1/14/91	4,856.73
2/27/91	4,860.06
3/21/91	4,858.58
3/28/91	4,859.50
4/3/91	4,860.60
5/29/91	4,860.47
6/27/91	4,859.71
7/1/91	4,860.70
7/2/91	4,860.82
8/23/91	4,861.77
10/3/91	4,855.67
11/4/91	4,847.72
1/22/92	4,843.81
7/27/92	4,841.61
8/3/92	4,843.50
8/24/92	4,846.37
9/24/92	4,845.64
10/16/92	4,842.92
11/30/92	4,847.58
12/21/92	4,849.17
3/1/93	4,847.50
3/30/93	4,850.52
4/19/93	4,848.70
5/29/93	4,852.56
7/1/93	4,855.22
7/21/93	4,858.38
8/30/93	4,860.34
9/27/93	4,863.81
10/13/93	4,865.66
11/30/93	4,864.82
4/19/94	4,854.46
7/11/94	4,858.38
10/25/94	4,854.03
1/4/95	4,849.71
4/7/95	4,849.87
2/28/96	4,845.60
4/8/96	4,846.04

Heads in Perched Wells - USGS data

InelName : usgs-055

WlDate	Head (ft)
1/12/91	4,856.62
1/28/91	4,857.16
3/21/91	4,857.90
4/4/91	4,857.99
7/2/91	4,858.38
7/11/91	4,858.64
7/15/91	4,858.46
1/22/92	4,848.85
7/25/92	4,848.69
10/16/92	4,849.58
3/1/93	4,851.26
5/4/93	4,853.11
7/16/93	4,857.86
4/18/94	4,851.23
7/19/94	4,857.07
10/25/94	4,855.73
1/11/95	4,852.78
4/10/95	4,852.55
2/16/96	4,849.40
4/8/96	4,846.69

InelName : usgs-056

WlDate	Head (ft)
1/12/91	4,858.76
1/28/91	4,859.17
3/21/91	4,859.98
4/15/91	4,860.48
7/2/91	4,859.58
7/11/91	4,859.54
7/25/92	4,852.53
11/30/92	4,853.32
3/1/93	4,853.44
4/29/93	4,854.77
7/16/93	4,858.84
4/25/94	4,854.24
7/19/94	4,855.90
10/26/94	4,855.33
2/3/95	4,852.36
4/8/95	4,853.28
2/16/96	4,851.19
4/8/96	4,849.90

InelName : usgs-060

WlDate	Head (ft)
1/4/91	4,852.82
1/12/91	4,851.65
3/21/91	4,853.03
4/5/91	4,855.00
7/1/91	4,854.70
7/2/91	4,854.91
10/22/91	4,845.82
1/10/92	4,838.09
4/7/92	4,831.26
6/18/92	4,832.32
7/13/92	4,832.23

Heads in Perched Wells - USGS data

InelName : usgs-060

WlDate	Head (ft)
9/29/92	4,839.04
3/1/93	4,842.90
3/30/93	4,845.79
7/17/93	4,851.15
10/7/93	4,860.08
1/28/94	4,848.15
4/6/94	4,848.72
7/19/94	4,853.07
9/29/94	4,849.53
1/11/95	4,843.27
4/10/95	4,842.92
2/15/96	4,841.94
4/2/96	4,843.55

InelName : usgs-061

WlDate	Head (ft)
1/12/91	4,833.82
1/28/91	4,839.27
3/21/91	4,839.38
4/9/91	4,839.99
7/2/91	4,839.90
7/15/91	4,840.01
7/29/91	4,839.08
10/23/91	4,835.93
1/23/92	4,829.02
4/8/92	4,823.15
6/18/92	4,822.23
7/25/92	4,824.26
10/13/92	4,827.16
3/1/93	4,830.88
4/12/93	4,832.24
7/16/93	4,835.87
10/6/93	4,842.31
1/28/94	4,834.11
4/28/94	4,833.44
7/19/94	4,835.86
10/27/94	4,833.73
1/11/95	4,830.11
4/12/95	4,828.96
2/15/96	4,828.05
4/9/96	4,828.93

InelName : usgs-062

WlDate	Head (ft)
1/12/91	4,789.26
1/28/91	4,789.66
3/21/91	4,789.60
4/8/91	4,789.32
7/2/91	4,789.63
7/15/91	4,789.95
7/29/91	4,789.90
10/23/91	4,789.80
1/23/92	4,787.46
4/9/92	4,786.07
7/25/92	4,784.96
10/13/92	4,786.08

Heads in Perched Wells - USGS data

InelName : usgs-062

WlDate	Head (ft)
3/1/93	4,786.84
4/12/93	4,787.14
7/16/93	4,787.92
9/30/93	4,788.42
1/28/94	4,788.19
4/25/94	4,788.13
7/19/94	4,788.65
10/24/94	4,788.38
1/11/95	4,787.32
4/12/95	4,786.22
2/14/96	4,785.15
4/9/96	4,785.30

InelName : usgs-063

WlDate	Head (ft)
1/12/91	4,849.12
1/28/91	4,849.47
3/21/91	4,849.74
4/8/91	4,850.69
7/2/91	4,850.69
7/15/91	4,851.24
7/29/91	4,851.56
10/23/91	4,846.39
1/24/92	4,839.20
4/9/92	4,830.46
6/18/92	4,829.60
7/25/92	4,832.28
10/14/92	4,835.39
3/8/93	4,839.98
4/6/93	4,843.23
7/16/93	4,847.83
10/12/93	4,856.37
1/28/94	4,845.28
4/25/94	4,844.76
7/19/94	4,848.08
10/27/94	4,845.48
1/11/95	4,840.39
4/7/95	4,839.16
2/15/96	4,840.90

InelName : usgs-066

WlDate	Head (ft)
1/12/91	4,707.57
3/21/91	4,707.08
7/2/91	4,707.05
10/29/91	4,707.07
4/29/92	4,709.57
10/28/92	4,707.17
4/24/93	4,707.07
10/22/93	4,707.22
7/28/94	4,707.02
12/19/94	4,741.27
1/11/95	4,741.27
2/28/95	4,741.47
3/23/95	4,741.55
4/17/95	4,741.50

Heads in Perched Wells - USGS data

InelName : usgs-066

WlDate	Head (ft)
5/18/95	4,741.33
11/21/95	4,741.59
12/20/95	4,741.34
2/15/96	4,741.13
3/26/96	4,741.03

InelName : usgs-068

WlDate	Head (ft)
1/12/91	4,860.09
1/18/91	4,859.68
3/21/91	4,861.80
4/25/91	4,862.61
7/2/91	4,862.72
7/15/91	4,863.47
10/30/91	4,863.89
1/17/92	4,863.74
4/10/92	4,865.91
7/21/92	4,865.97
10/29/92	4,866.80
2/5/93	4,865.01
4/29/93	4,865.80
7/20/93	4,870.07
10/28/93	4,862.41
4/29/94	4,860.18
7/19/94	4,860.43
10/26/94	4,861.90
2/3/95	4,861.25
4/25/95	4,863.79
1/30/96	4,860.87

InelName : usgs-069

WlDate	Head (ft)
1/12/91	4,847.89
1/28/91	4,847.92
3/21/91	4,848.20
4/8/91	4,848.35
7/2/91	4,848.84
7/15/91	4,849.10
7/30/91	4,848.65
10/24/91	4,846.96
1/23/92	4,837.14
4/9/92	4,831.28
6/18/92	4,828.04
7/25/92	4,830.10
10/14/92	4,835.53
3/8/93	4,840.20
4/13/93	4,841.96
7/16/93	4,845.05
10/12/93	4,853.10
1/28/94	4,843.45
4/29/94	4,842.74
7/11/94	4,845.15
11/7/94	4,842.57
1/11/95	4,838.92
4/17/95	4,837.36
11/2/95	4,840.35

Heads in Perched Wells - USGS data

InelName : usgs-069

WlDate	Head (ft)
2/14/96	4,839.20

InelName : usgs-070

WlDate	Head (ft)
1/12/91	4,848.60
1/28/91	4,848.87
3/21/91	4,849.04
4/11/91	4,849.38
7/2/91	4,849.27
7/15/91	4,849.71
7/30/91	4,848.76
10/18/91	4,847.10
1/24/92	4,838.98
4/9/92	4,834.70
6/18/92	4,832.10
7/25/92	4,832.48
10/14/92	4,837.21
3/8/93	4,840.07
4/12/93	4,841.10
7/16/93	4,845.40
10/7/93	4,851.65
1/31/94	4,846.78
4/20/94	4,846.42
7/19/94	4,848.30
10/27/94	4,847.21
1/11/95	4,843.96
4/12/95	4,842.62
2/18/96	4,841.78

InelName : usgs-071

WlDate	Head (ft)
1/12/91	4,769.66
1/28/91	4,769.82
4/18/91	4,770.38
4/22/91	4,770.27
7/2/91	4,769.84
7/15/91	4,769.10
10/29/91	4,763.35
1/23/92	4,767.01
4/22/92	4,761.17
6/17/92	4,761.51
6/18/92	4,760.75
7/25/92	4,760.60
10/15/92	4,763.05
3/8/93	4,761.64
4/13/93	4,762.05
7/16/93	4,763.51
10/12/93	4,764.84
1/28/94	4,765.79
4/19/94	4,765.93
7/19/94	4,767.72
10/31/94	4,767.79
1/11/95	4,767.04
4/13/95	4,764.18
2/14/96	4,761.58

Heads in Perched Wells - USGS data

InelName : usgs-072

WlDate	Head (ft)
1/12/91	4,772.43
1/28/91	4,774.63
3/21/91	4,774.75
4/25/91	4,774.26
7/2/91	4,775.15
7/15/91	4,775.83
10/30/91	4,776.69
1/24/92	4,775.05
4/10/92	4,776.13
7/21/92	4,775.14
10/29/92	4,777.07
2/5/93	4,776.22
4/5/93	4,778.52
7/14/93	4,778.46
9/27/93	4,778.36
10/14/93	4,774.83
10/14/93	4,777.47
10/14/93	4,778.35
10/28/93	4,778.45
4/28/94	4,774.46
7/6/94	4,757.12
7/6/94	4,768.50
7/6/94	4,775.84
11/5/94	4,779.47
2/3/95	4,778.51
4/18/95	4,778.63
10/31/95	4,780.43
1/30/96	4,778.82

InelName : usgs-073

WlDate	Head (ft)
1/28/91	4,845.99
3/21/91	4,846.00
4/15/91	4,846.17
7/2/91	4,846.29
10/24/91	4,846.00
1/24/92	4,837.38
4/13/92	4,830.66
7/25/92	4,829.33
10/28/92	4,831.67
3/8/93	4,835.12
4/19/93	4,836.01
7/16/93	4,842.14
10/18/93	4,848.41
1/31/94	4,842.90
5/3/94	4,840.26
7/19/94	4,841.81
10/21/94	4,842.97
1/12/95	4,838.37
4/27/95	4,834.79

InelName : usgs-074

WlDate	Head (ft)
1/12/91	4,742.63
1/28/91	4,739.48

Heads in Perched Wells - USGS data

InelName : usgs-074

WlDate	Head (ft)
3/21/91	4,742.92
4/26/91	4,742.84
7/2/91	4,742.32
7/15/91	4,742.72
10/28/91	4,742.58
1/24/92	4,742.35
4/22/92	4,741.84
7/25/92	4,740.22
10/28/92	4,738.97

Heads in Aquifer Wells - USGS data

InelName : mtr-test

WlDate	Head (ft)
1/12/91	4,460.25
3/21/91	4,459.57
5/29/91	4,459.38
6/27/91	4,458.87
7/1/91	4,458.75
7/2/91	4,458.61
7/13/91	4,458.84
8/23/91	4,458.50
9/25/91	4,457.82
10/2/91	4,458.08
10/23/91	4,458.18
11/21/91	4,458.05
12/27/91	4,458.02
1/22/92	4,458.06
2/24/92	4,458.06
3/31/92	4,458.10
4/9/92	4,458.23
6/1/92	4,457.79
6/30/92	4,457.56
7/25/92	4,456.98
8/24/92	4,456.75
9/24/92	4,456.80
10/7/92	4,456.43
11/30/92	4,456.28
12/21/92	4,456.39
3/1/93	4,455.99
3/23/93	4,456.10
4/24/93	4,455.96
5/26/93	4,455.82
7/1/93	4,455.59
7/16/93	4,455.60
8/30/93	4,455.18
9/28/93	4,455.07
10/19/93	4,455.14
11/30/93	4,455.42
12/30/93	4,455.46
1/28/94	4,455.47
2/25/94	4,455.82
3/31/94	4,455.77
4/14/94	4,455.83
6/1/94	4,454.77
6/27/94	4,455.22
7/19/94	4,454.97
9/1/94	4,454.80
9/28/94	4,454.59
9/30/94	4,454.70
11/30/94	4,454.77
12/27/94	4,454.92
1/12/95	4,449.69
2/28/95	4,454.80
3/31/95	4,454.64
4/26/95	4,454.61
5/18/95	4,454.70
6/28/95	4,454.46
7/27/95	4,454.52
8/22/95	4,454.60
9/19/95	4,454.28
10/26/95	4,454.82

Heads in Aquifer Wells - USGS data

InelName : site-19

WlDate	Head (ft)
1/12/91	4,458.93
3/21/91	4,459.13
7/2/91	4,457.93
10/22/91	4,457.63
4/7/92	4,457.48
10/7/92	4,455.75
4/26/93	4,455.67
10/14/93	4,454.91
4/29/94	4,455.28
7/8/94	4,454.70
4/17/95	4,454.51
7/6/95	4,454.31

InelName : tra-06

WlDate	Head (ft)
3/21/91	4,457.93
4/18/91	4,457.63
7/2/91	4,456.98

InelName : tra-07

WlDate	Head (ft)
3/21/91	4,458.15
7/2/91	4,457.21

InelName : tra-08

WlDate	Head (ft)
3/21/91	4,457.01
7/2/91	4,456.06

InelName : tra-disp

WlDate	Head (ft)
1/12/91	4,458.82
3/21/91	4,459.07
7/2/91	4,458.10
7/2/91	4,458.83
10/30/91	4,457.50
1/16/92	4,457.64
4/23/92	4,457.33
7/21/92	4,456.61
10/28/92	4,456.15
2/4/93	4,455.78
4/28/93	4,455.42
7/19/93	4,455.12
10/27/93	4,454.64
4/28/94	4,454.31
10/25/94	4,454.15
4/24/95	4,454.35
10/16/95	4,454.37

Heads in Aquifer Wells - USGS data

InelName : usgs-058

WlDate	Head (ft)
3/21/91	4,459.08
5/29/91	4,458.80
6/27/91	4,458.34
7/2/91	4,458.05
7/10/91	4,458.33
8/23/91	4,457.90
10/3/91	4,457.53
11/4/91	4,457.39
1/22/92	4,457.51
7/27/92	4,456.46
8/24/92	4,456.21
9/24/92	4,456.19
10/8/92	4,455.98
11/30/92	4,455.75
12/21/92	4,455.88
3/8/93	4,455.47
3/30/93	4,455.49
4/19/93	4,455.39
5/29/93	4,455.17
7/1/93	4,455.09
7/16/93	4,455.02
8/30/93	4,454.64
9/28/93	4,454.56
10/21/93	4,454.54
11/30/93	4,454.89
2/8/94	4,455.39
4/19/94	4,455.21
7/19/94	4,454.69
10/18/94	4,454.12
1/11/95	4,454.56
4/11/95	4,454.02
7/25/95	4,454.12
10/30/95	4,454.25

InelName : usgs-065

WlDate	Head (ft)
1/14/91	4,459.83
3/21/91	4,460.45
4/18/91	4,459.84
5/16/91	4,460.20
7/2/91	4,459.58
7/10/91	4,459.79
7/22/91	4,459.62
10/15/91	4,459.05
1/15/92	4,460.12
4/13/92	4,459.20
7/14/92	4,458.32
10/7/92	4,457.38
3/8/93	4,456.79
4/15/93	4,457.13
7/16/93	4,456.77
10/18/93	4,456.38
1/12/94	4,456.98
4/15/94	4,457.24
7/12/94	4,456.78
10/12/94	4,456.35
1/10/95	4,456.79

Heads in Aquifer Wells - USGS data

InelName : usgs-065

WlDate	Head (ft)
4/12/95	4,456.50
7/11/95	4,455.85
10/11/95	4,456.12

InelName : usgs-076

WlDate	Head (ft)
1/14/91	4,457.35
3/21/91	4,457.65
7/2/91	4,456.73
7/17/91	4,456.89
10/2/91	4,456.12
4/13/92	4,456.22
10/8/92	4,454.68
4/26/93	4,454.20
10/21/93	4,453.33
4/26/94	4,453.39
10/2/94	4,452.85
4/11/95	4,452.96
10/30/95	4,453.17

InelName : usgs-079

WlDate	Head (ft)
1/14/91	4,458.51
3/21/91	4,458.73
7/2/91	4,457.84
10/1/91	4,456.64
10/1/91	4,457.32
4/9/92	4,457.50
10/8/92	4,455.87
4/28/93	4,455.21
10/19/93	4,454.46
4/14/94	4,455.16
10/18/94	4,453.98
4/11/95	4,453.18
10/30/95	4,454.19

APPENDIX B - GROUNDWATER HEAD PLOTS

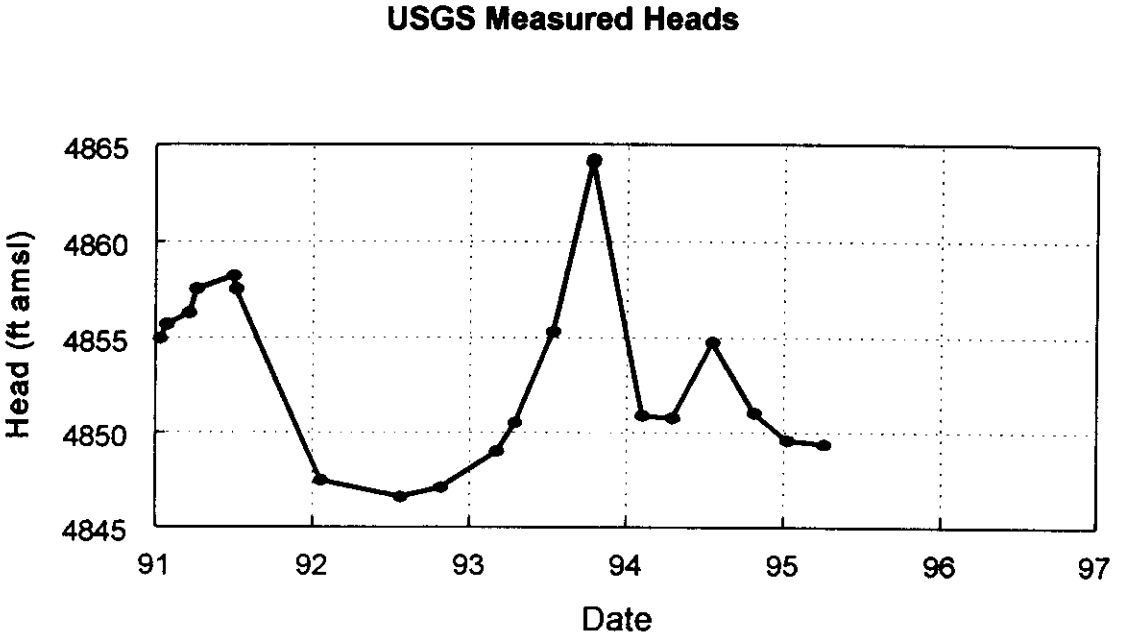

Figure B-1. Hydrograph for USGS-53 (USGS data)

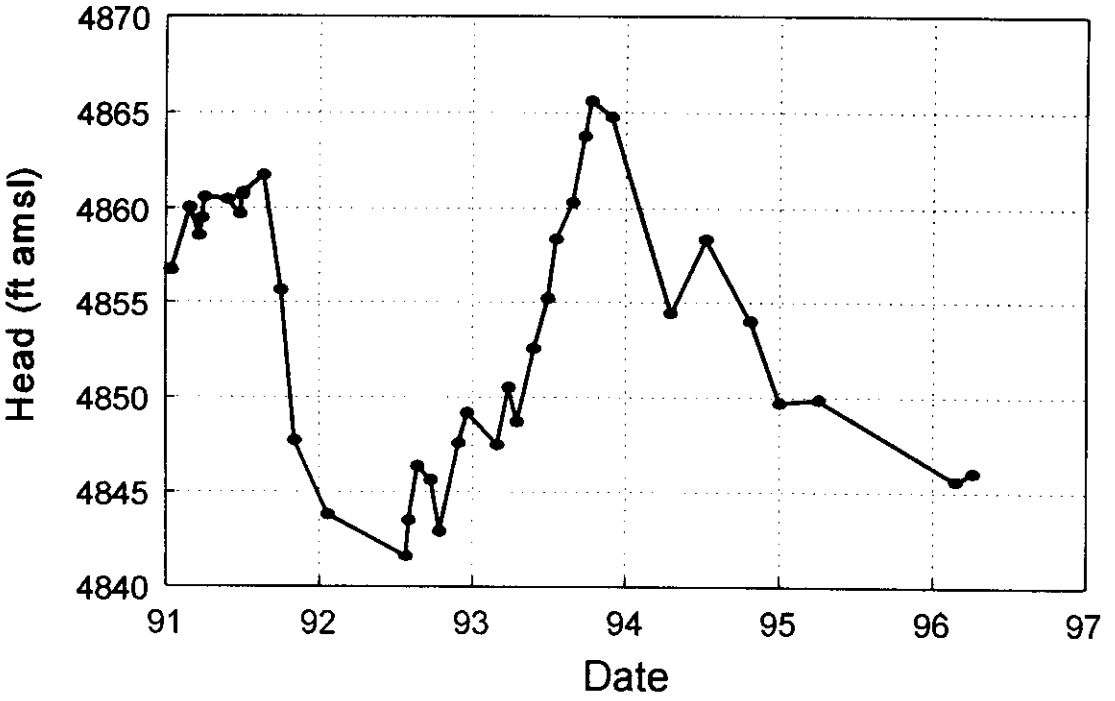

Figure B-2. Hydrograph for USGS-54 (USGS data).

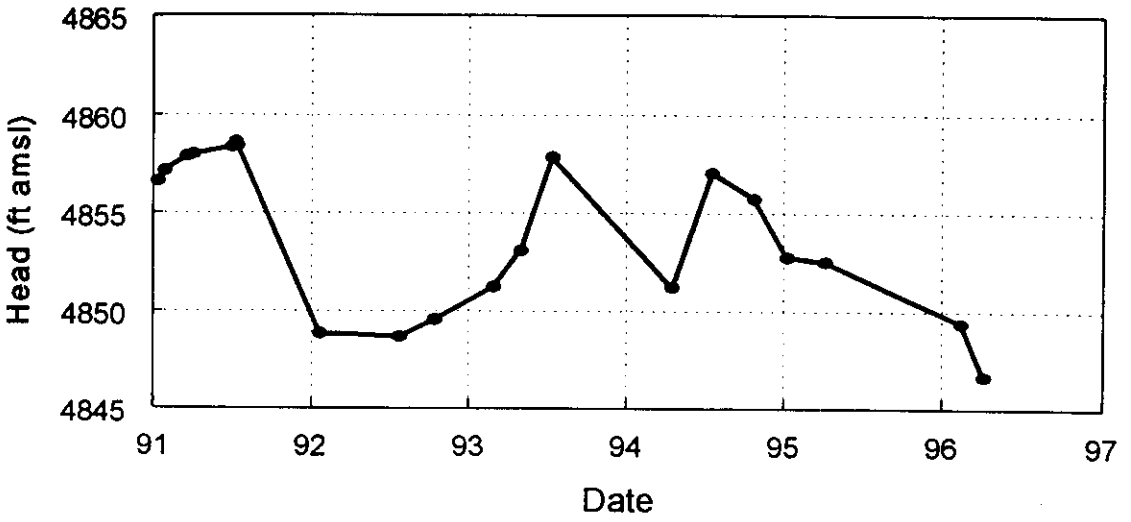

Figure B-3. Hydrograph for USGS-55 (USGS data).

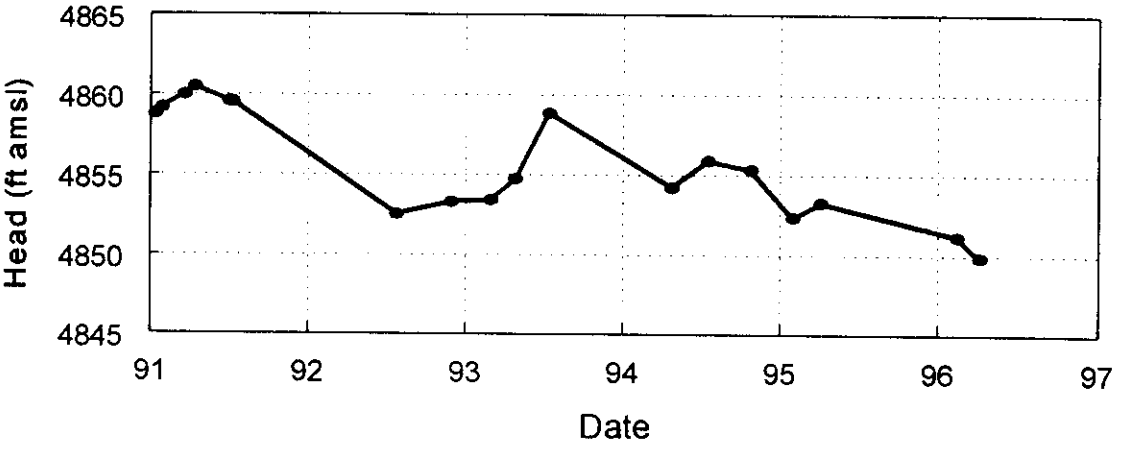

Figure B-4. Hydrograph for USGS-56 (USGS data).

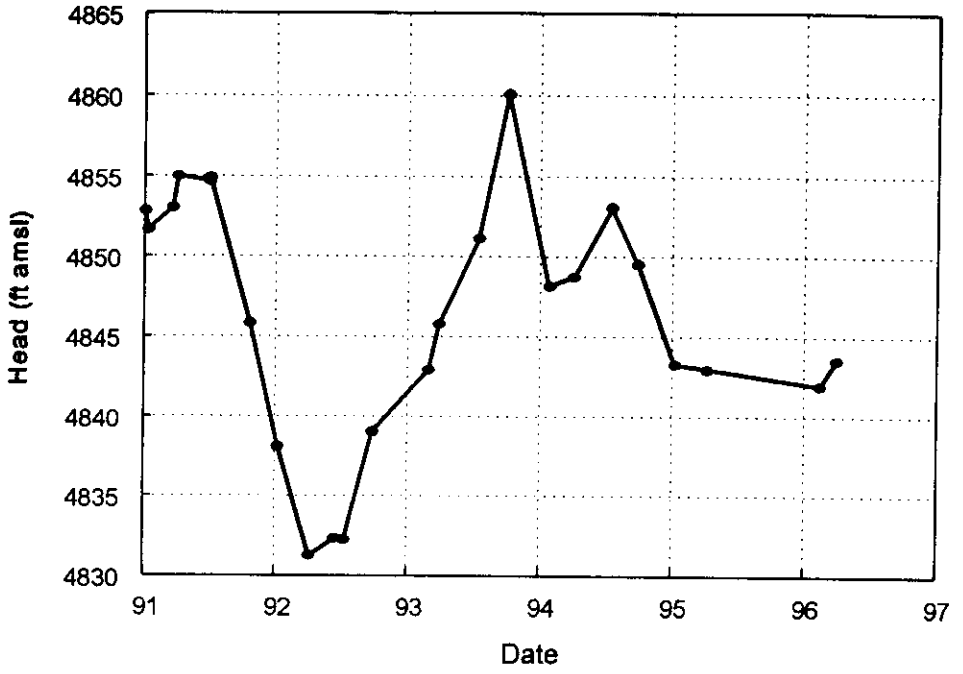

Figure B-5. Hydrograph for USGS-60 (USGS data).

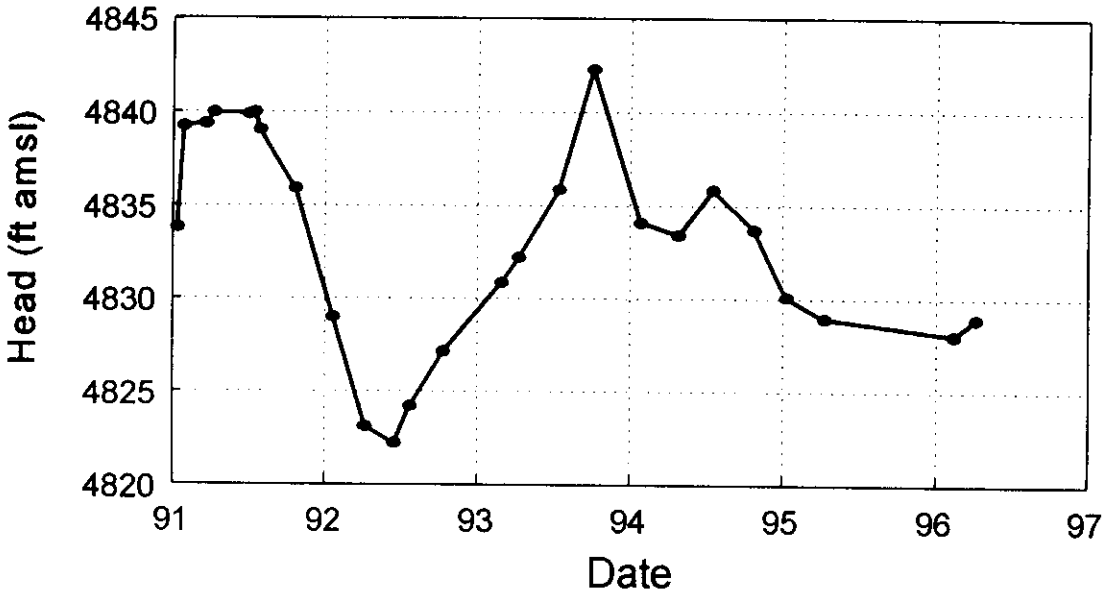

Figure B-6. Hydrograph for USGS-61 (USGS data).

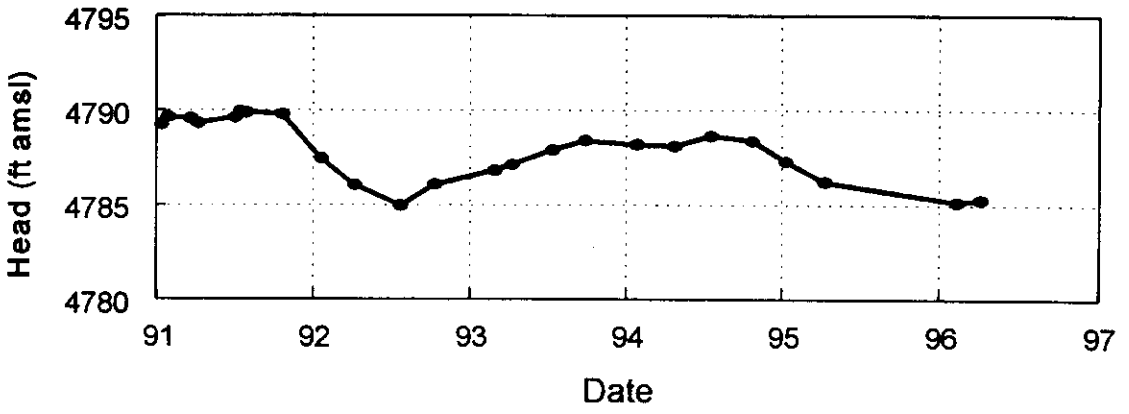

Figure B-7. Hydrograph for USGS-62 (USGS data).

Figure B-8. Hydrograph for USGS-63 (USGS data).

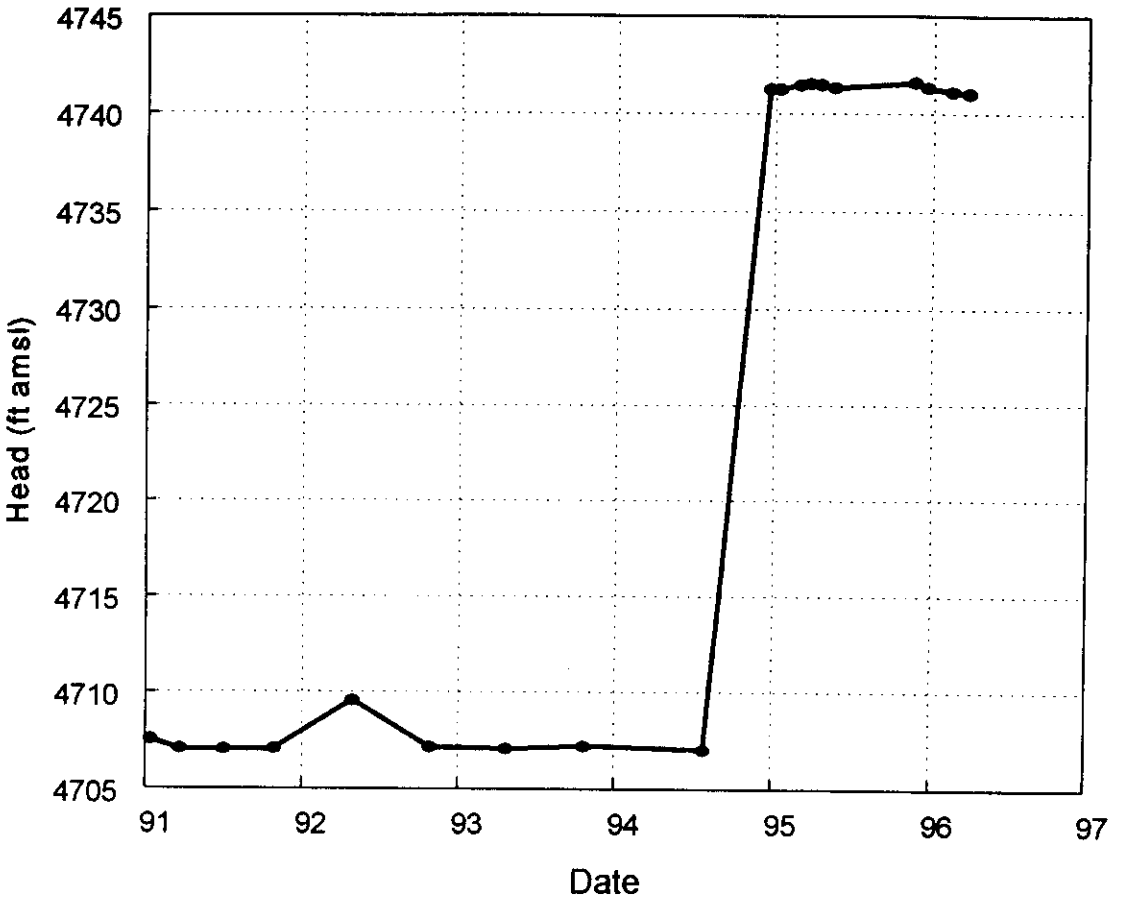

Figure B-9. Hydrograph for USGS-66 (USGS data).

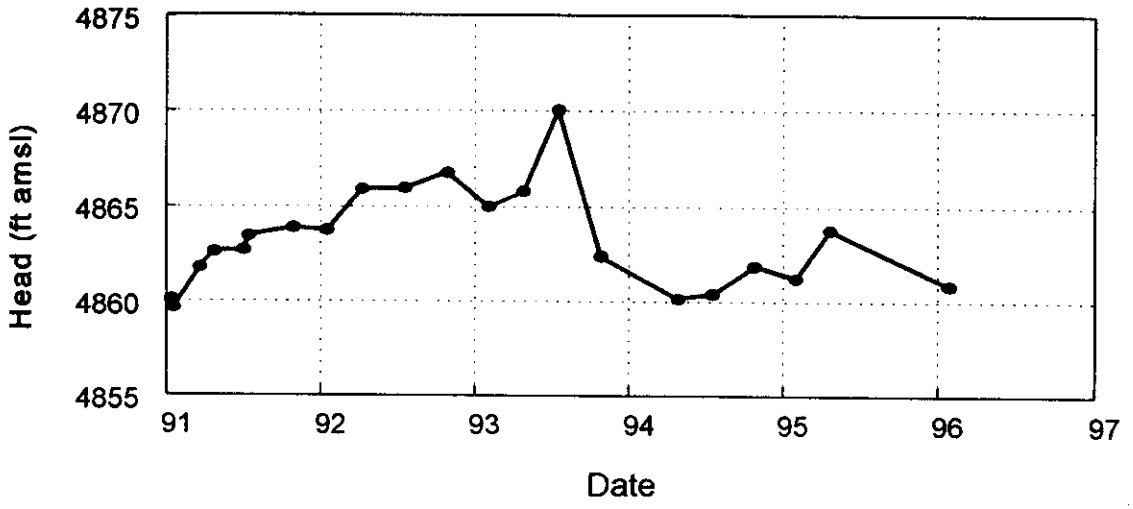

Figure B-10. Hydrograph for USGS-68 (USGS data).

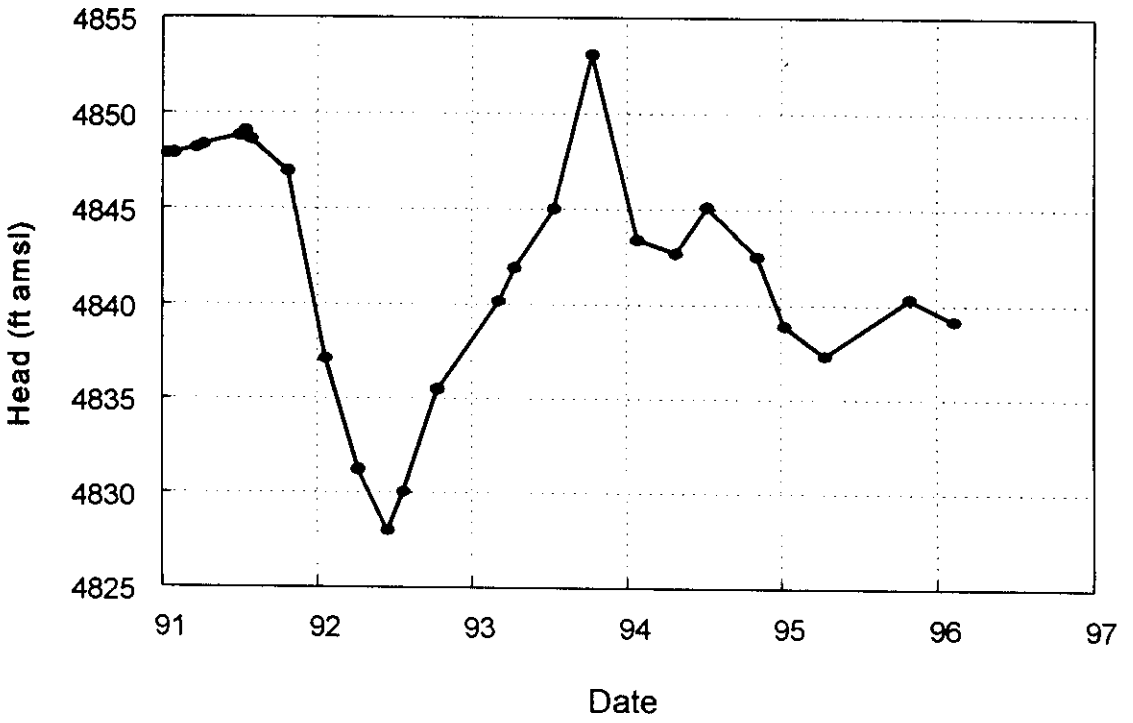

Figure B-11. Hydrograph for USGS-69 (USGS data).

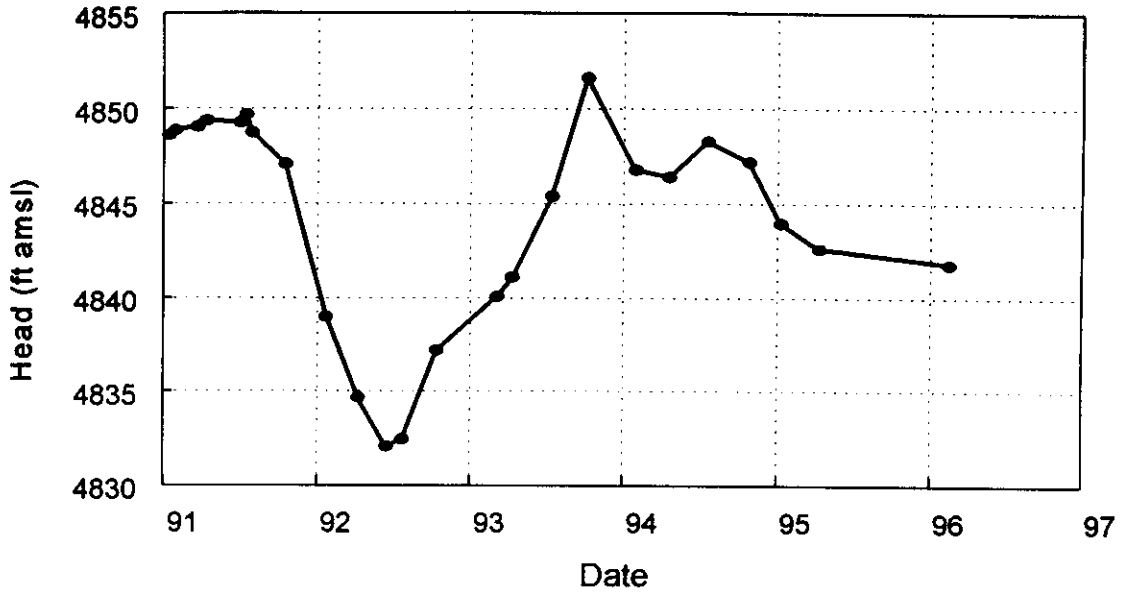

Figure B-12. Hydrograph for USGS-70 (USGS data).

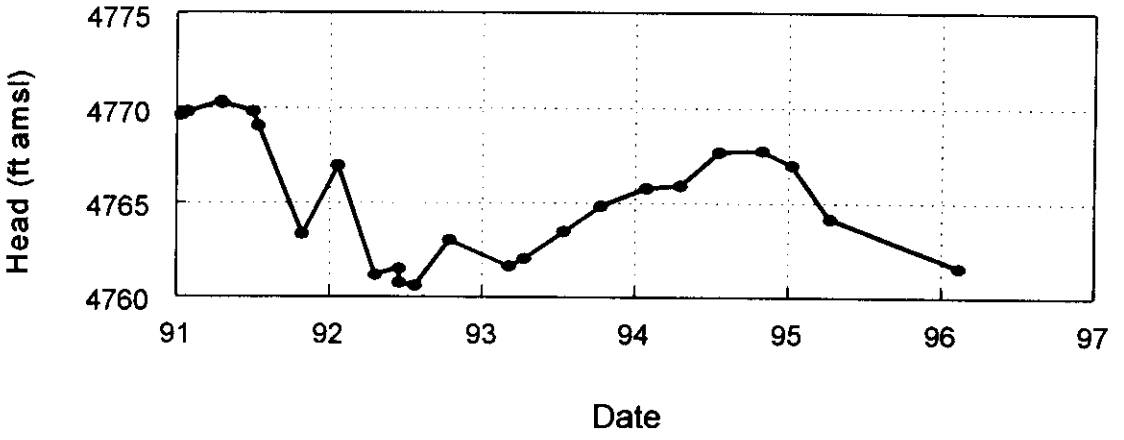

Figure B-13. Hydrograph for USGS-71 (USGS data).

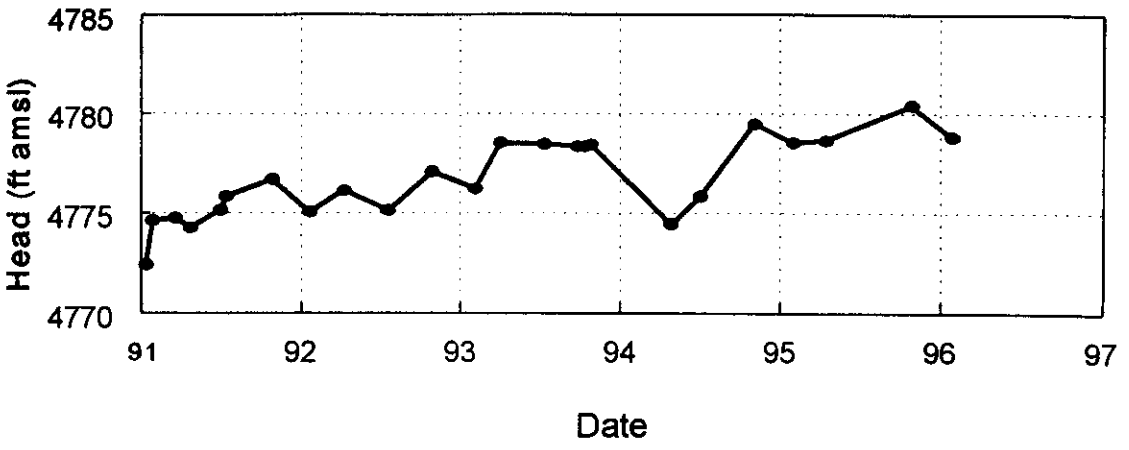

Figure B-14. Hydrograph for USGS-72 (USGS data).

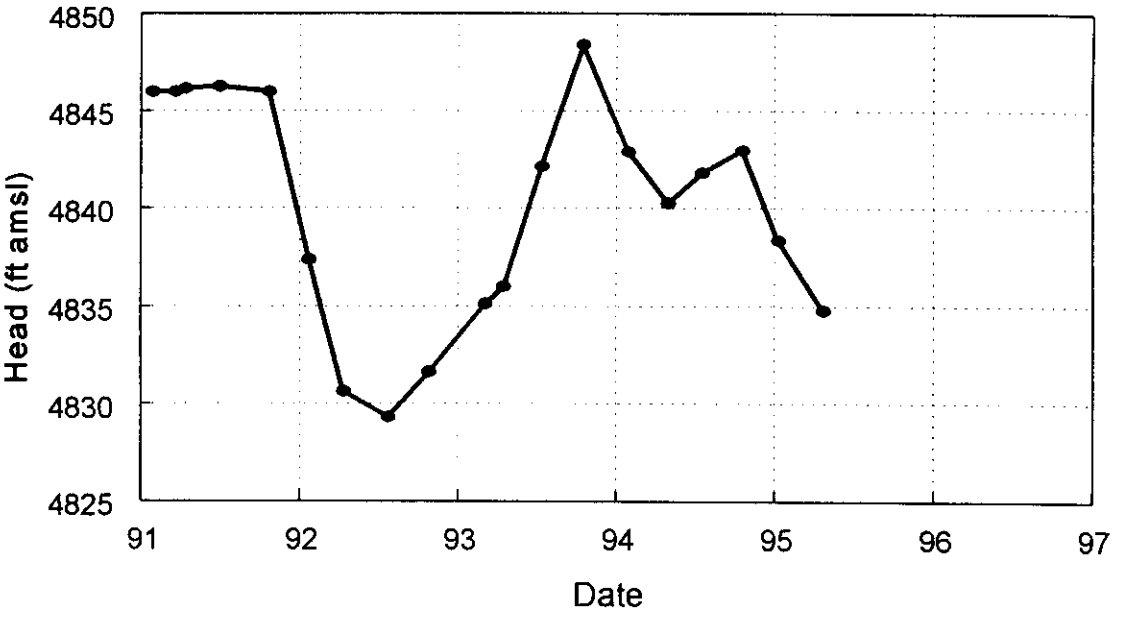

Figure B-15. Hydrograph for USGS-73 (USGS data).

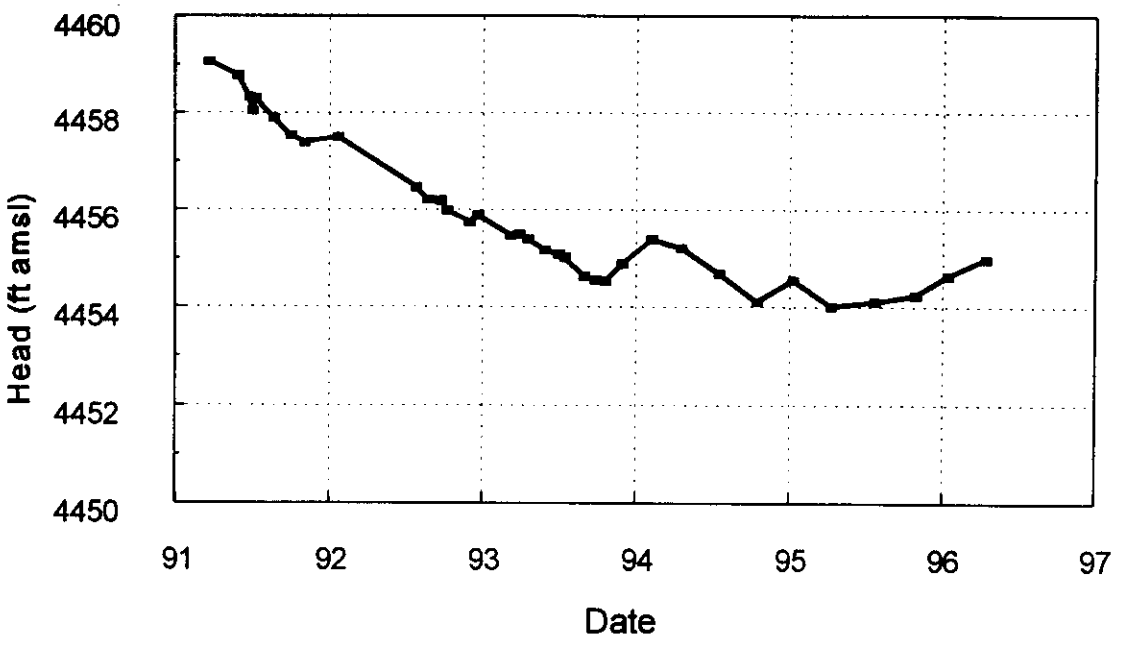

Figure B-16. Hydrograph for USGS-58 (USGS data).

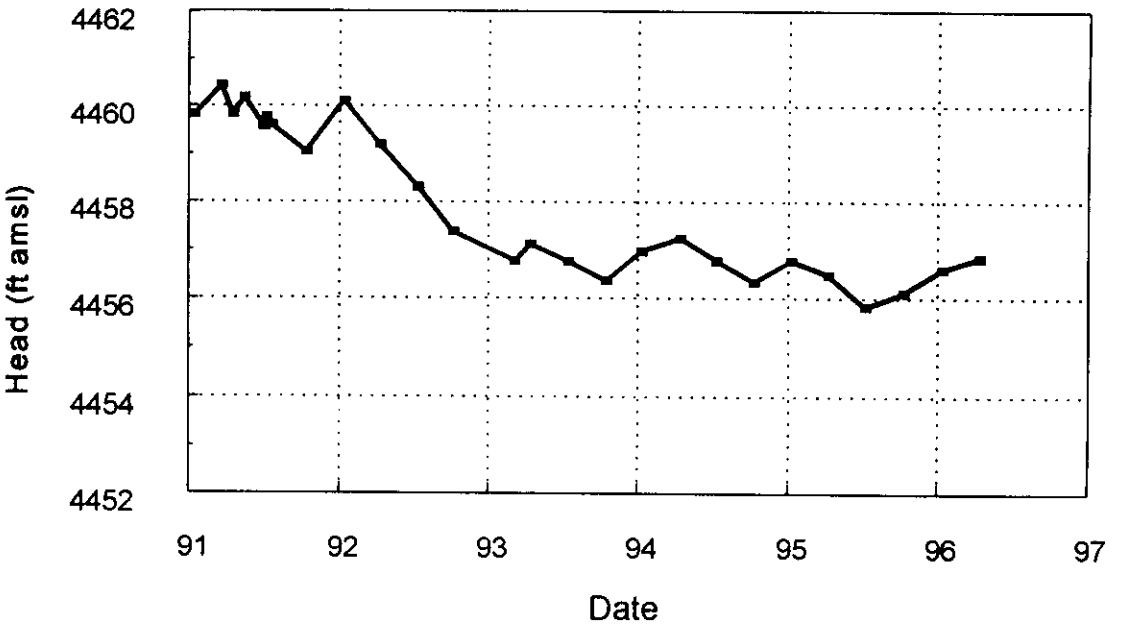

Figure B-17. Hydrograph for USGS-65 (USGS data).

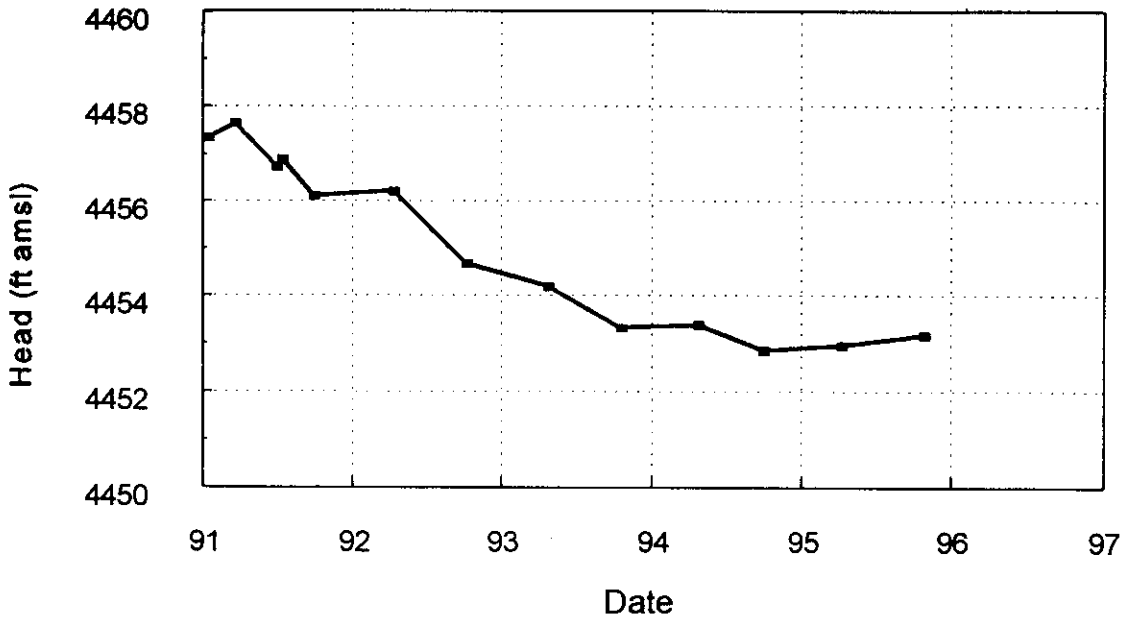

Figure B-18. Hydrograph for USGS-76 (USGS data).

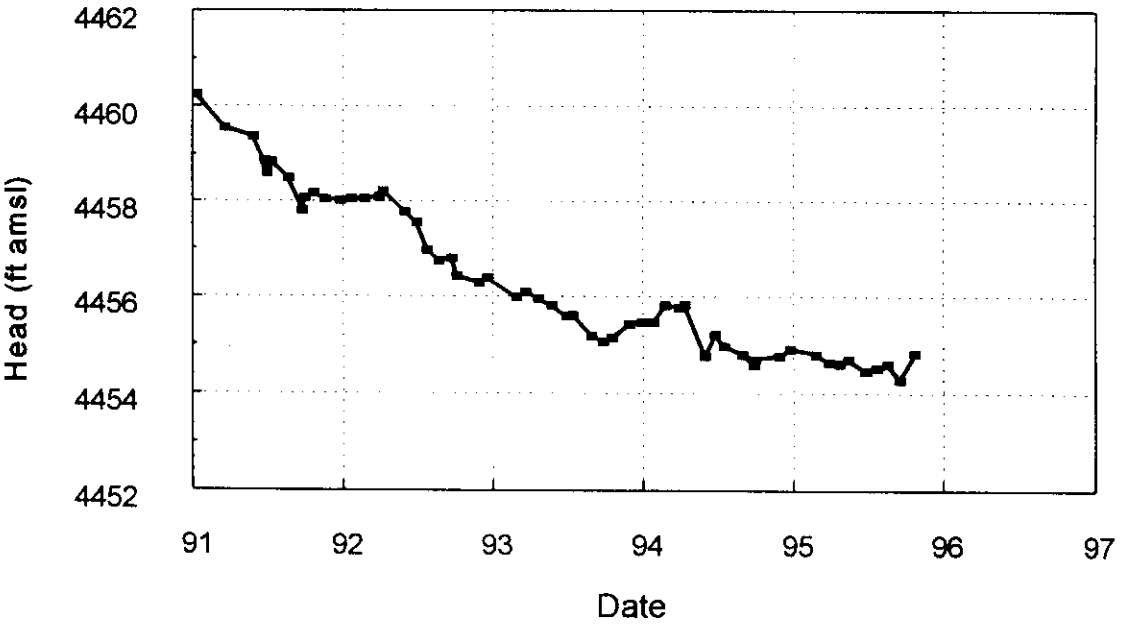

Figure B-19. Hydrograph for MTR-TEST (USGS data).

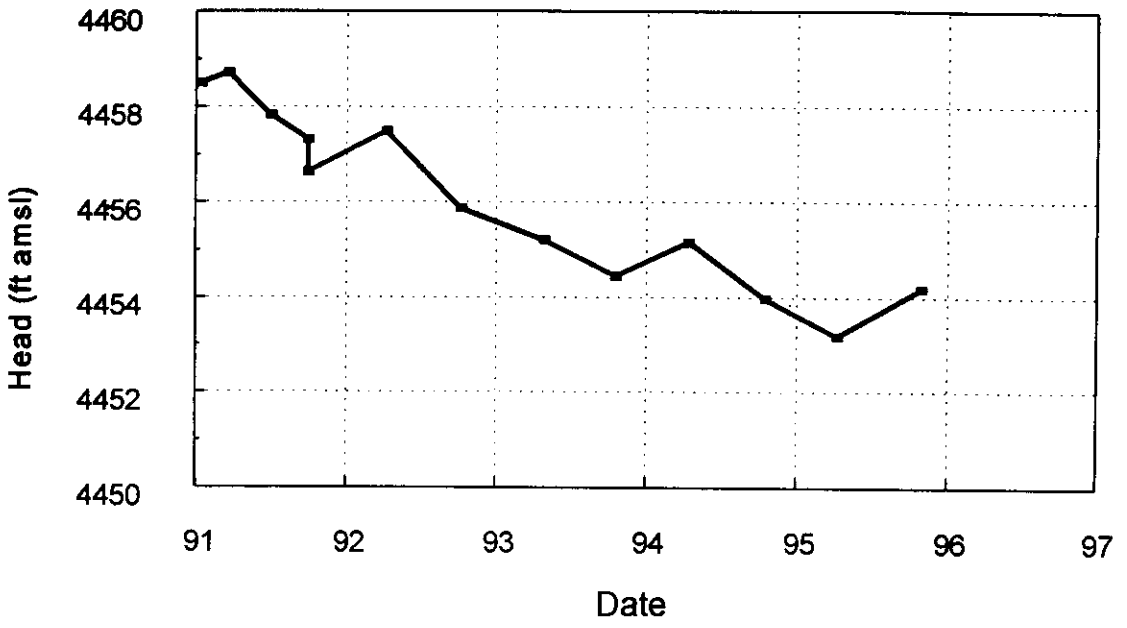

Figure B-20. Hydrograph for USGS-79 (USGS data).

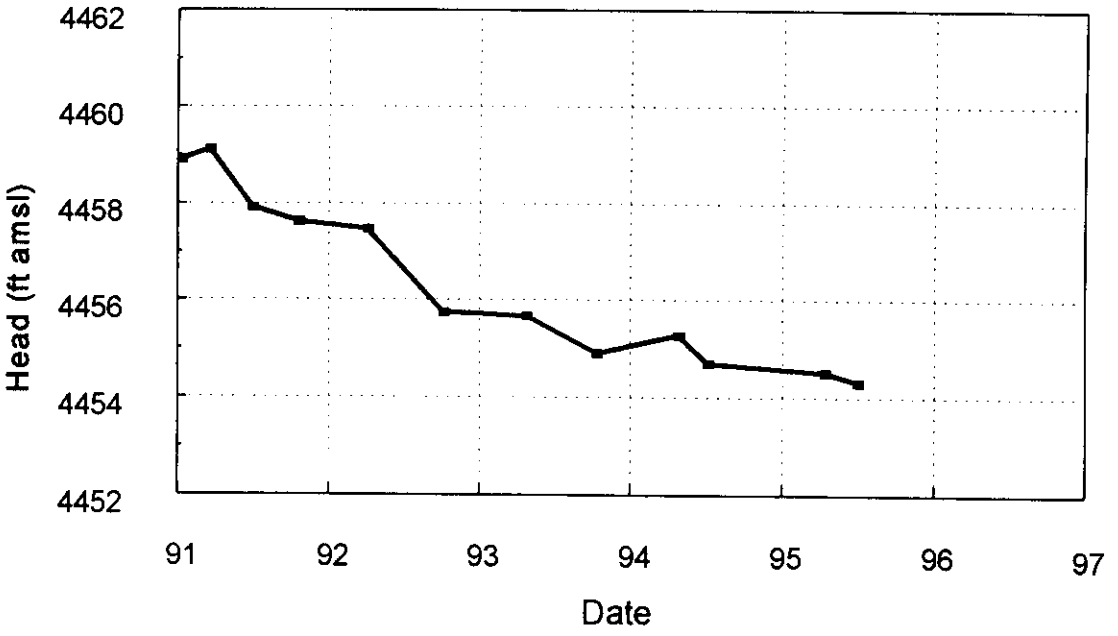

Figure B-21. Hydrograph for SITE-19 (USGS data).

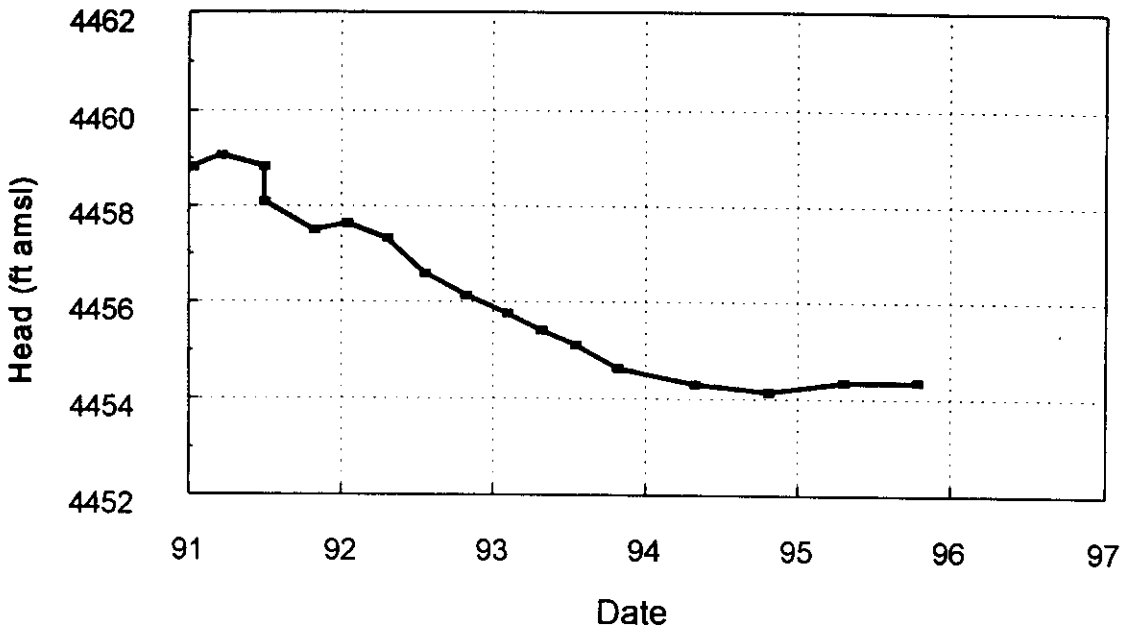

Figure B-22. Hydrograph for TRA-disp (USGS data).

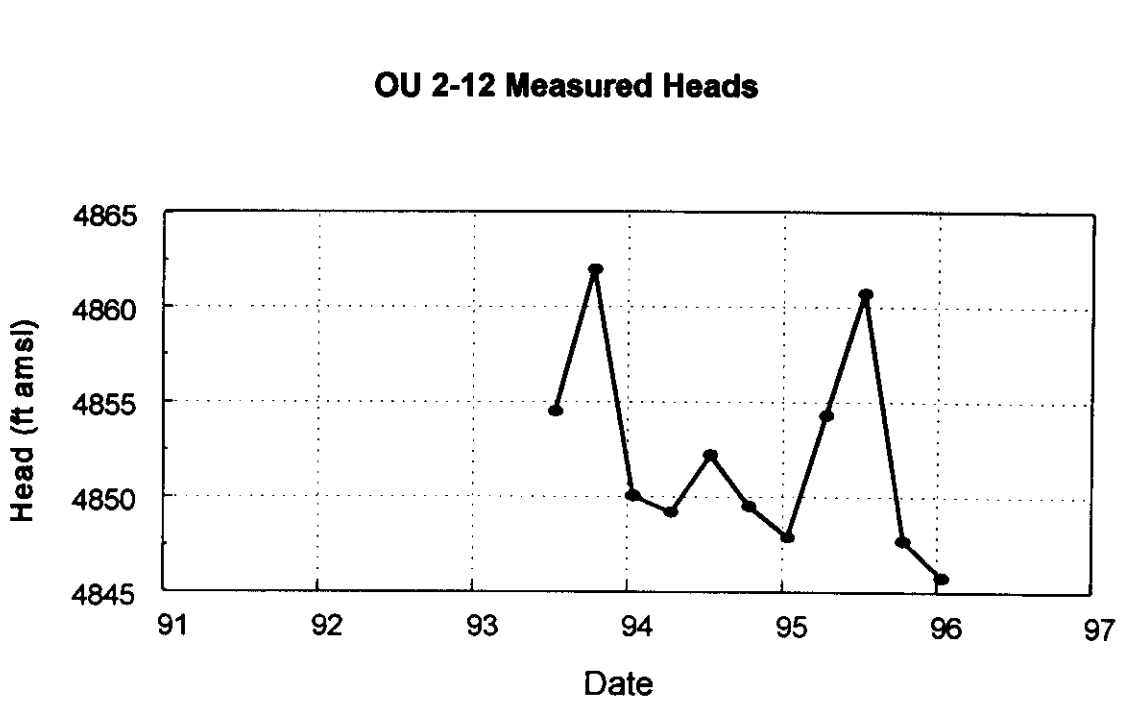

Figure B-23. Hydrograph for USGS-53 (OU 2-12 data)

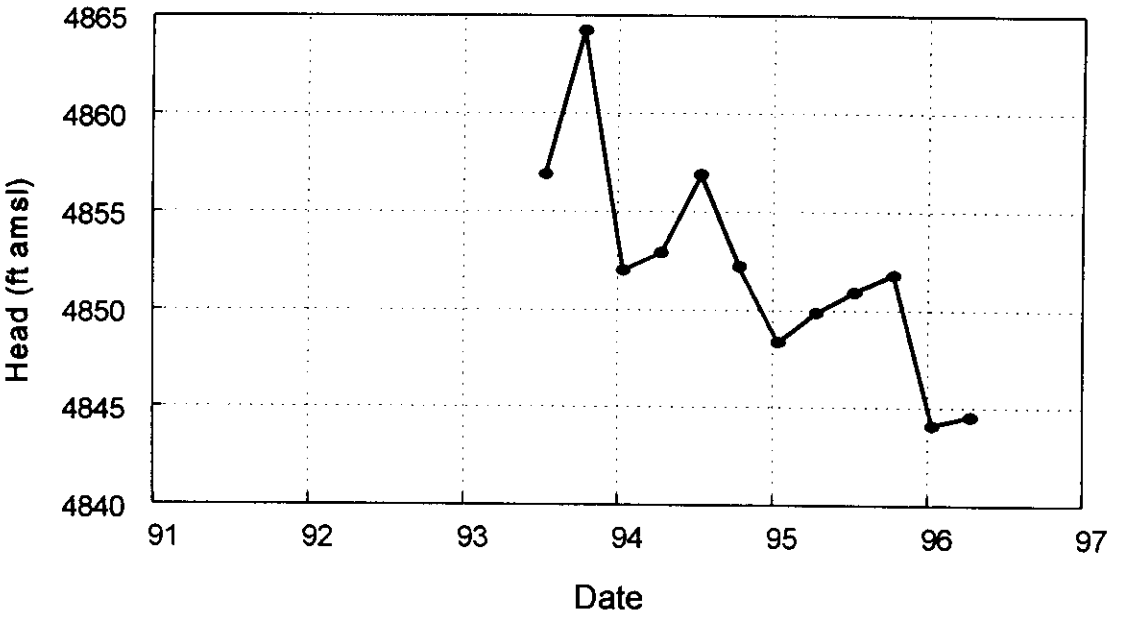

Figure B-24. Hydrograph for USGS-54 (OU 2-12 data).

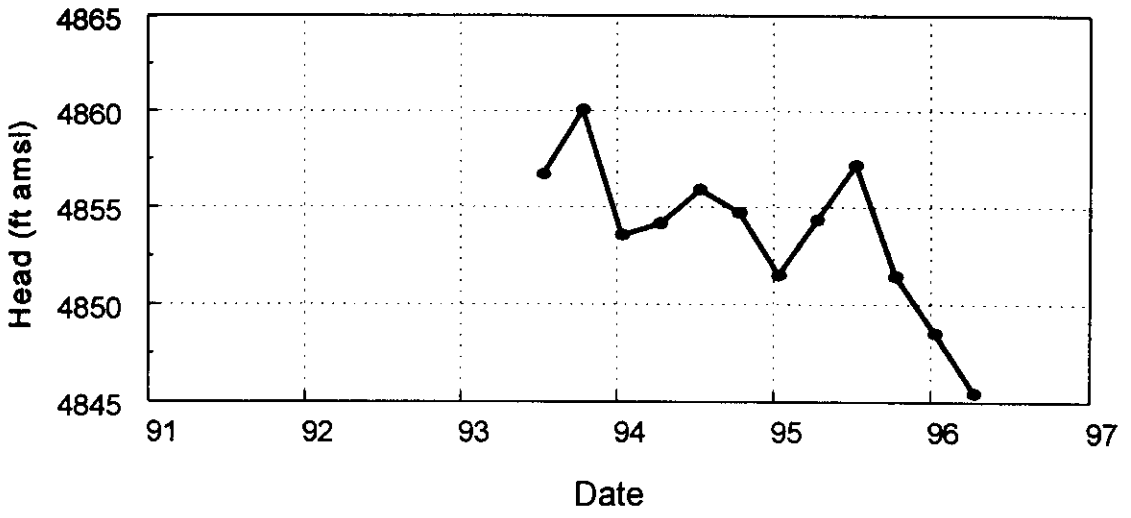

Figure B-25. Hydrograph for USGS-55 (OU 2-12 data).

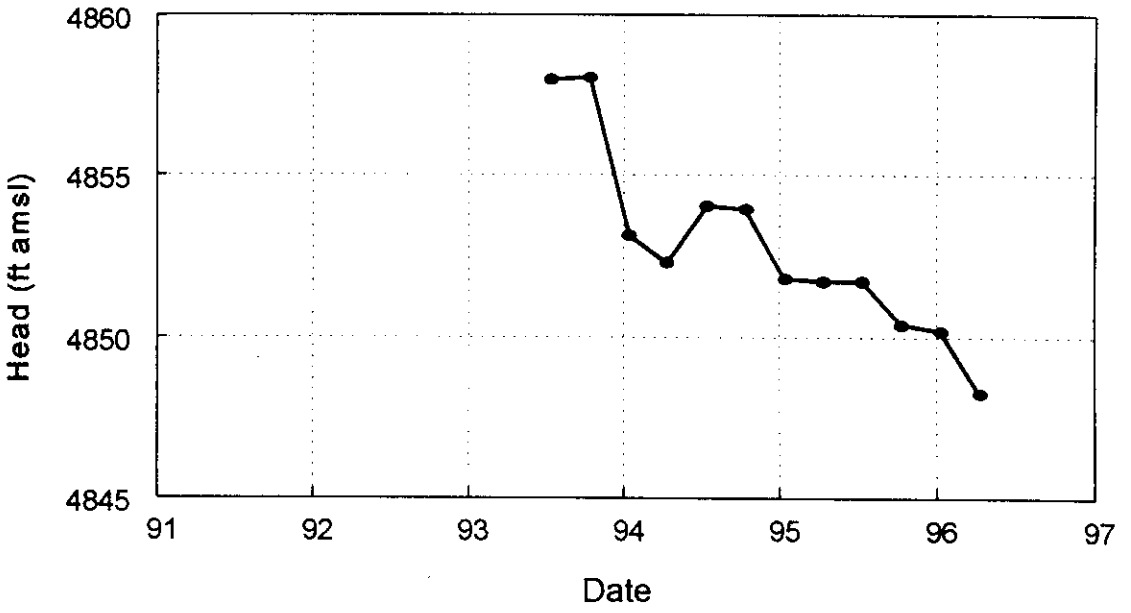

Figure B-26. Hydrograph for USGS-56 (OU 2-12 data).

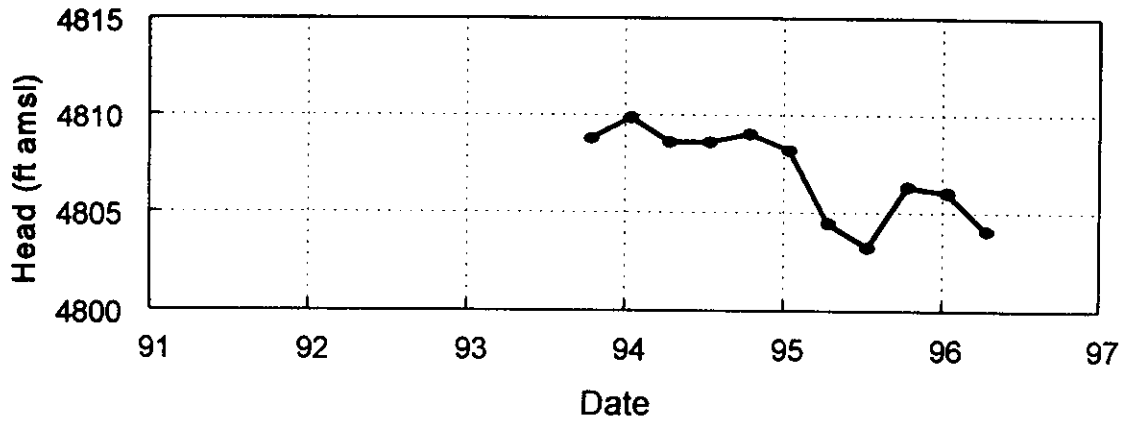

Figure B-27. Hydrograph for PW-11 (OU 2-12 data)

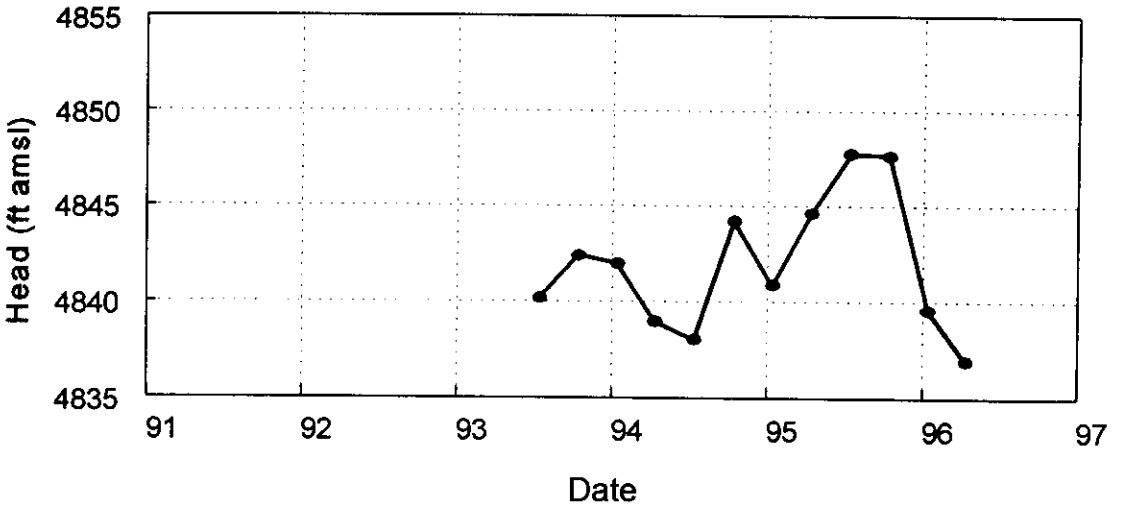

Figure B-28. Hydrograph for PW-12 (OU 2-12 data).

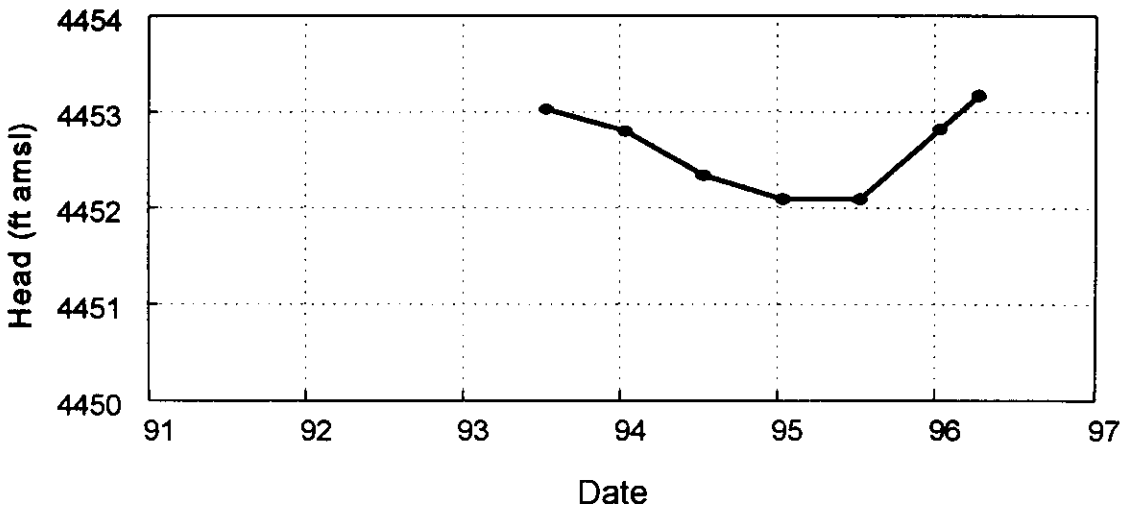

Figure B-29. Hydrograph for USGS-58 (OU 2-12 data).

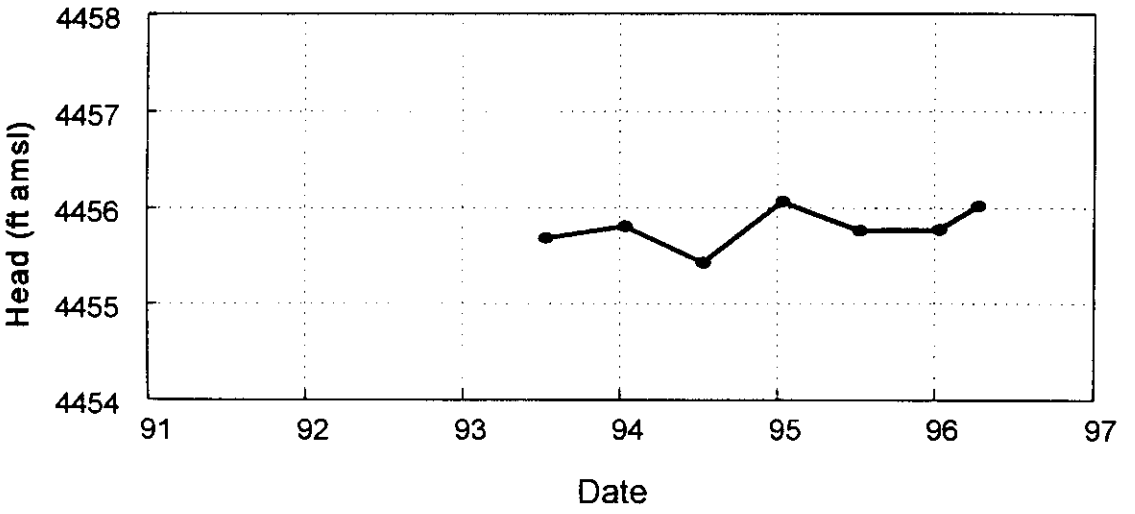

Figure B-30. Hydrograph for USGS-65 (OU 2-12 data).

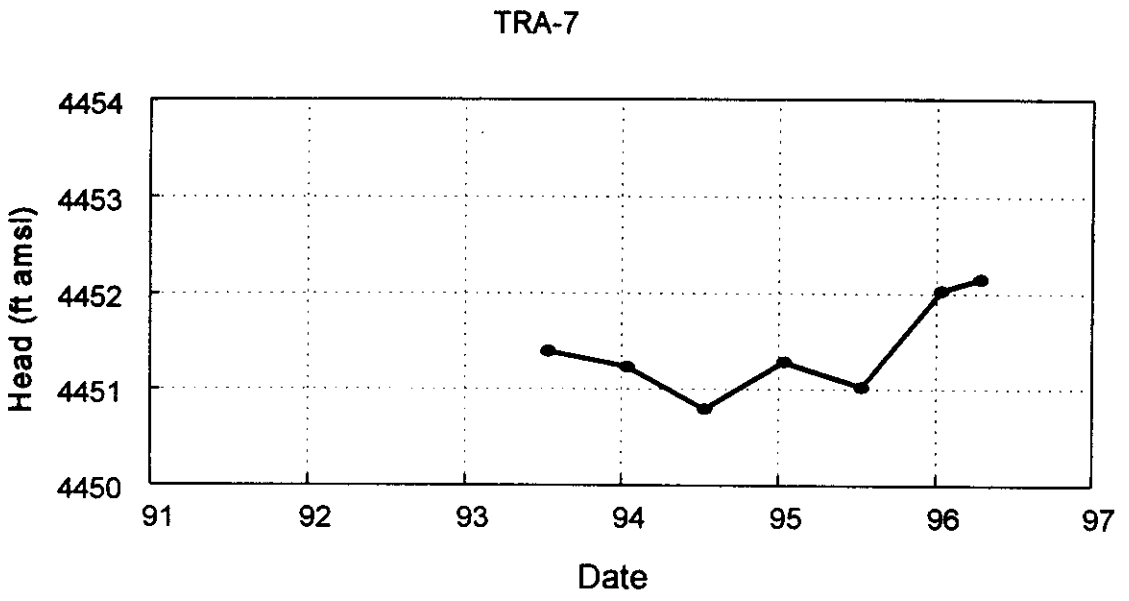

Figure B-31. Hydrograph for TRA-7 (OU 2-12 data).

APPENDIX C - POST-ROD CONTAMINANT CONCENTRATIONS

OU 2-12 Contaminant Data

Post-ROD monitoring results are tabulated for each OU 2-12 well. For each well, the contaminant of concern is presented, along with the associated sampling date, OU 2-12 sample round, monitoring result, data qualifier flag, quality control sample identifier, and reported radiological uncertainty. The data qualifier flags reflect laboratory and validator applied flags. Refer to Table C-1 for an explanation of the data qualifier flags.

Table C-1. Data qualifier flags applied to OU 2-12 Monitoring Results[a]

Inorganic Analysis Data Flags	
B -	Value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL).
N -	Spiked sample recovery not within control limits.
S -	Value was determined by the method of standard additions (MSA).
U -	Analyte was analyzed for but not detected.
W -	Post-digestion spike for Furnace AA analysis is out of control limits (85% to 115%), while sample absorbance is less than 50% of spike absorbance.
* -	Duplicate analysis not within control limits.
Inorganic Validation Data Qualifiers	
J -	The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present in the environmental sample.
U -	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
UJ -	The material was analyzed for, but was not detected. The associated value is an estimate and may not accurately reflect the instrument detection limit in the sample matrix.
Radiological Data Qualifier Flags	
No flag	The associated sample result is a true positive result and is considered valid and useable.
J -	The associated sample result is an estimated quantity due to quality control or documentation problems. The results should be treated as estimates only. Absolute quantitative or risk assessments should not be made from results flagged with a "J," but these results can be used for yes/no decisions as to whether a contaminant is present at the sampling location.
U -	The constituent of interest was analyzed for, but was not detected above the minimum detectable activity of the instrumentation. There may or may not be a result provided in the data package. If no result is provided a "zero" result should not be entered in its place as the zero may be mistakenly included in statistical calculations performed from the sample results.
a. The flags shown are taken from the applicable Statements of Work (USEPA, 1990a and 1990b), while the validator flags are taken from the programmatic data validation guidance document (EGG, 1993).	

Appendix C references

USEPA, 1990a, *USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis, Multi-Media Multi-Concentration*, ILM03.0, March 1990.

USEPA, 1990b, *USEPA Contract Laboratory Program Statement of Work for Organic Analysis, Multi-Media Multi-Concentration*, OLM01.9, March 1990.

EGG, 1993, *Environmental Restoration Requirements and Guidance for Data Validation*, EGG-WM-10045, Rev. 1, February 1993.

OU 2-12 Post ROD Contaminant Data

Well : PW-11

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/6/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/7/95	5.30e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/11/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/26/93	0.00e+0	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	10/20/93	0.00e+0	pCi/L	U	no		POST-ROD 2	8.00e-2
AM-241	1/12/94	1.90e-1	pCi/L	U	no		POST-ROD 3	1.40e-1
AM-241	4/5/94	1.00e-1	pCi/L	U	no		POST-ROD 4	1.00e-1
AM-241	7/12/94	4.00e-2	pCi/L	U	no		POST-ROD 5	8.00e-2
AM-241	10/11/94	0.00e+0	pCi/L	U	no		POST-ROD 6	9.00e-2
AM-241	1/6/95	9.00e-2	pCi/L	U	no		POST-ROD 7	8.00e-2
AM-241	4/7/95	1.00e-2	pCi/L	U	no		POST-ROD 8	3.00e-2
AM-241	7/11/95	1.60e-1	pCi/L	U	no		POST-ROD 9	1.10e-1
AM-241	1/23/96	4.00e-2	pCi/L	U	no		POST-ROD 11	7.00e-2
ANTIMONY	1/6/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	4/7/95	3.00e+0	uG/L	U	yes		POST-ROD 8	
ANTIMONY	7/11/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/27/93	2.00e+0	uG/L	BNU	yes		POST-ROD 1	
ARSENIC	10/20/93	2.00e+0	uG/L	U	yes		POST-ROD 2	
ARSENIC	1/12/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	4/5/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
ARSENIC	7/12/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	10/11/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
ARSENIC	1/6/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
ARSENIC	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	10/11/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
ARSENIC	1/23/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BARIUM	1/6/95	6.83e+1	uG/L	B	yes		POST-ROD 7	
BARIUM	4/7/95	6.36e+1	uG/L	B	yes		POST-ROD 8	
BARIUM	7/11/95	6.86e+1	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	10/20/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	1/12/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/5/94	2.40e+0	uG/L	BU	yes		POST-ROD 4	
BERYLLIUM	7/12/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	10/11/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	1/6/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/11/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	1/23/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/20/93	7.80e+0	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	1/12/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/5/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	7/12/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	10/11/94	4.00e-1	uG/L	U	yes		POST-ROD 6	

OU 2-12 Post ROD Contaminant Data

Well : PW-11

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CADMIUM	1/6/95	1.19e+1	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
CADMIUM	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/11/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	1/23/96	7.00e+0	uG/L		yes		POST-ROD 11	
CALCIUM	1/6/95	7.86e+4	uG/L		yes		POST-ROD 7	
CALCIUM	4/7/95	8.68e+4	uG/L		yes		POST-ROD 8	
CALCIUM	7/11/95	7.90e+4	uG/L		yes		POST-ROD 9	
CHROMIUM	7/27/93	1.13e+2	uG/L		yes		POST-ROD 1	
CHROMIUM	10/20/93	9.29e+1	uG/L		yes		POST-ROD 2	
CHROMIUM	1/12/94	9.80e+1	uG/L		yes		POST-ROD 3	
CHROMIUM	4/5/94	8.87e+1	uG/L		yes		POST-ROD 4	
CHROMIUM	7/12/94	9.82e+1	uG/L		yes		POST-ROD 5	
CHROMIUM	10/11/94	9.80e+1	uG/L		yes		POST-ROD 6	
CHROMIUM	1/6/95	9.50e+1	uG/L		yes		POST-ROD 7	
CHROMIUM	4/7/95	9.41e+1	uG/L		yes		POST-ROD 8	
CHROMIUM	7/11/95	6.22e+1	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	10/11/95	8.80e+1	uG/L		yes		POST-ROD 10	
CHROMIUM	1/23/96	1.03e+2	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	1.02e+2	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/27/93	1.11e+2	uG/L	J	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/20/93	9.00e+1	uG/L		yes		POST-ROD 2	
CHROMIUM HEXAVALENT	1/12/94	8.00e+1	uG/L		yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/5/94	9.86e+1	uG/L		yes		POST-ROD 4	
CHROMIUM HEXAVALENT	7/12/94	9.18e+1	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	10/11/94	8.94e+1	uG/L		yes		POST-ROD 6	
CHROMIUM HEXAVALENT	1/6/95	9.66e+1	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/7/95	9.60e+1	uG/L		yes		POST-ROD 8	
CHROMIUM HEXAVALENT	7/11/95	8.40e+1	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/11/95	8.10e+1	uG/L		yes		POST-ROD 10	
CHROMIUM HEXAVALENT	1/23/96	9.60e+1	uG/L		yes		POST-ROD 11	
CO-60	10/20/93	2.00e-2	pCi/mL		no		POST-ROD 2	0.00e+0
CO-60	1/12/94	2.00e-2	pCi/mL		no		POST-ROD 3	0.00e+0
CO-60	4/5/94	2.00e-2	pCi/mL		no		POST-ROD 4	0.00e+0
CO-60	7/12/94	3.00e-2	pCi/mL		no		POST-ROD 5	1.00e-2
CO-60	10/11/94	2.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
CO-60	1/6/95	2.00e-2	pCi/mL		no		POST-ROD 7	1.00e-2
CO-60	4/7/95	2.00e-2	pCi/mL		no		POST-ROD 8	0.00e+0
CO-60	10/11/95	3.00e-2	pCi/mL		no		POST-ROD 10	1.00e-2
COBALT	7/27/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/20/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	1/12/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/5/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	7/12/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	10/11/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	1/6/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	

OU 2-12 Post ROD Contaminant Data

Well : PW-11

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
COBALT	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/11/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COBALT	1/23/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COPPER	1/6/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	7/11/95	2.15e+1	uG/L	BU	yes		POST-ROD 9	
FLUORIDE	7/27/93	2.40e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/20/93	2.10e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/12/94	2.40e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/5/94	2.20e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/12/94	2.40e+2	uG/L		no		POST-ROD 5	
FLUORIDE	10/11/94	2.40e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/6/95	2.20e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/7/95	1.80e+2	uG/L		no		POST-ROD 8	
FLUORIDE	7/11/95	2.20e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/11/95	2.20e+2	uG/L		no		POST-ROD 10	
FLUORIDE	1/23/96	1.80e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/27/93		pCi/L	U			POST-ROD 1	
GAMMA ND	7/11/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/23/96		pCi/L	U			POST-ROD 11	
IRON	1/6/95	2.30e+1	uG/L	U	yes		POST-ROD 7	
IRON	4/7/95	1.67e+2	uG/L	*	yes		POST-ROD 8	
IRON	7/11/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
LEAD	7/27/93	1.00e+0	uG/L	U	yes		POST-ROD 1	
LEAD	10/20/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	1/12/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	4/5/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	7/12/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	10/11/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	1/6/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/7/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	7/11/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/11/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	1/23/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MAGNESIUM	1/6/95	1.64e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/7/95	1.65e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/11/95	1.72e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/27/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	10/20/93	5.00e+0	uG/L	B	yes		POST-ROD 2	
MANGANESE	1/12/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	4/5/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
MANGANESE	7/12/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	10/11/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	1/6/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
MANGANESE	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/11/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
MANGANESE	1/23/96	6.00e+0	uG/L	U	yes		POST-ROD 11	

OU 2-12 Post ROD Contaminant Data

Well : PW-11

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
MERCURY	1/6/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	4/7/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	7/11/95	1.00e-1	uG/L	U	yes		POST-ROD 9	
NICKEL	1/6/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	4/7/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	7/11/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/6/95	3.32e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/7/95	3.95e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/11/95	3.72e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/6/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/7/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	7/11/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/6/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/7/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/6/95	1.83e+4	uG/L		yes		POST-ROD 7	
SODIUM	4/7/95	1.39e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/11/95	1.75e+4	uG/L		yes		POST-ROD 9	
SR-90	7/26/93	1.00e-2	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/20/93	0.00e+0	pCi/mL		no		POST-ROD 2	0.00e+0
SR-90	1/12/94	0.00e+0	pCi/mL	UJ	no		POST-ROD 3	0.00e+0
SR-90	4/5/94	0.00e+0	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	7/12/94	0.00e+0	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	10/11/94	0.00e+0	pCi/mL	U	no		POST-ROD 6	0.00e+0
SR-90	1/6/95	0.00e+0	pCi/mL	U	no		POST-ROD 7	0.00e+0
SR-90	4/7/95	0.00e+0	pCi/mL		no		POST-ROD 8	0.00e+0
SR-90	7/11/95	0.00e+0	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/11/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	4.00e-2
SR-90	1/23/96	0.00e+0	pCi/mL	U	no		POST-ROD 11	0.00e+0
SR-90	4/11/96	0.00e+0	pCi/mL	UJ	yes		POST-ROD 12	0.00e+0
THALLIUM	1/6/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THU-234	10/11/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	7/26/93	1.12e+2	pCi/mL		no		POST-ROD 1	8.00e-1
TRITIUM	10/20/93	1.30e+2	pCi/mL		no		POST-ROD 2	1.00e+0
TRITIUM	1/12/94	1.26e+2	pCi/mL		no		POST-ROD 3	1.00e+0
TRITIUM	4/5/94	1.30e+2	pCi/mL		no		POST-ROD 4	1.00e+0
TRITIUM	7/12/94	1.23e+2	pCi/mL		no		POST-ROD 5	1.00e+0
TRITIUM	10/11/94	1.15e+2	pCi/mL		no		POST-ROD 6	8.00e-1
TRITIUM	1/6/95	1.35e+2	pCi/mL		no		POST-ROD 7	1.00e+0
TRITIUM	4/7/95	1.30e+2	pCi/mL		no		POST-ROD 8	1.00e+0
TRITIUM	7/11/95	1.21e+2	pCi/mL		no		POST-ROD 9	1.00e+0
TRITIUM	10/11/95	1.02e+2	pCi/mL		no		POST-ROD 10	1.60e+1
TRITIUM	1/23/96	1.16e+2	pCi/mL		no		POST-ROD 11	1.00e+0
TRITIUM	4/11/96	1.17e+2	pCi/mL		yes		POST-ROD 12	1.00e+0
U-235	10/11/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
U-238	10/11/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
VANADIUM	1/6/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/7/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	7/11/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/6/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/7/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

Well : PW-12

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/6/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/10/95	4.76e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/11/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/28/93	1.30e+0	pCi/L		no		POST-ROD 1	3.00e-1
AM-241	10/19/93	1.80e+0	pCi/L		no		POST-ROD 2	3.00e-1
AM-241	1/6/94	1.30e+0	pCi/L		no		POST-ROD 3	3.00e-1
AM-241	4/5/94	4.60e-1	pCi/L		no		POST-ROD 4	1.70e-1
AM-241	7/12/94	0.00e+0	pCi/L	U	no		POST-ROD 5	6.00e-2
AM-241	7/12/94	0.00e+0	pCi/L	U	no	X	POST-ROD 5	5.00e-2
AM-241	10/11/94	1.00e-1	pCi/L	U	no		POST-ROD 6	1.20e-1
AM-241	10/11/94	1.80e-1	pCi/L	U	no	X	POST-ROD 6	1.20e-1
AM-241	1/6/95	4.90e-1	pCi/L		no		POST-ROD 7	1.30e-1
AM-241	4/10/95	1.50e-1	pCi/L	UJ	no		POST-ROD 8	5.00e-2
AM-241	7/11/95	2.40e-1	pCi/L	U	no		POST-ROD 9	1.20e-1
AM-241	1/22/96	2.90e-1	pCi/L		no		POST-ROD 11	1.00e-1
ANTIMONY	1/6/95	4.18e+1	uG/L	BJ	yes		POST-ROD 7	
ANTIMONY	4/10/95	3.00e+0	uG/L	U	yes		POST-ROD 8	
ANTIMONY	7/11/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/28/93	2.00e+0	uG/L	UWN	yes		POST-ROD 1	
ARSENIC	10/19/93	2.00e+0	uG/L	U	yes		POST-ROD 2	
ARSENIC	1/6/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	4/5/94	3.00e+0	uG/L	UW	yes		POST-ROD 4	
ARSENIC	7/12/94	6.00e+0	uG/L	UJ	no	X	POST-ROD 5	
ARSENIC	7/12/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	7/12/94	6.00e+0	uG/L	UJ	yes	X	POST-ROD 5	
ARSENIC	10/11/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
ARSENIC	10/11/94	4.00e+0	uG/L	UJ	yes	X	POST-ROD 6	
ARSENIC	1/6/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	4/10/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
ARSENIC	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	10/9/95	2.00e+0	uG/L	U	yes	X	POST-ROD 10	
ARSENIC	10/9/95	2.00e+0	uG/L	UJ	yes		POST-ROD 10	
ARSENIC	1/22/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BARIUM	1/6/95	1.97e+2	uG/L	B	yes		POST-ROD 7	
BARIUM	4/10/95	1.87e+2	uG/L	B	yes		POST-ROD 8	
BARIUM	7/11/95	2.04e+2	uG/L		yes		POST-ROD 9	
BERYLLIUM	7/28/93	5.00e+0	uG/L	U	yes		POST-ROD 1	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
BERYLLIUM	10/19/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	1/6/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/5/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
BERYLLIUM	7/12/94	7.00e-1	uG/L	U	no	X	POST-ROD 5	
BERYLLIUM	7/12/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	7/12/94	7.00e-1	uG/L	U	yes	X	POST-ROD 5	
BERYLLIUM	10/11/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	10/11/94	2.00e-1	uG/L	UJ	yes	X	POST-ROD 6	
BERYLLIUM	1/6/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/10/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/9/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	10/9/95	1.00e+0	uG/L	U	yes	X	POST-ROD 10	
BERYLLIUM	1/22/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/28/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/19/93	5.00e+0	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	1/6/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/5/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	7/12/94	8.00e-1	uG/L	U	no	X	POST-ROD 5	
CADMIUM	7/12/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	7/12/94	8.00e-1	uG/L	U	yes	X	POST-ROD 5	
CADMIUM	10/11/94	4.00e-1	uG/L	U	yes		POST-ROD 6	
CADMIUM	10/11/94	4.00e-1	uG/L	U	yes	X	POST-ROD 6	
CADMIUM	1/6/95	9.60e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/10/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
CADMIUM	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/9/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	10/9/95	2.00e+0	uG/L	U	yes	X	POST-ROD 10	
CADMIUM	1/22/96	9.00e+0	uG/L		yes		POST-ROD 11	
CALCIUM	1/6/95	6.20e+4	uG/L		yes		POST-ROD 7	
CALCIUM	4/10/95	6.50e+4	uG/L		yes		POST-ROD 8	
CALCIUM	7/11/95	6.12e+4	uG/L		yes		POST-ROD 9	
CHROMIUM	7/28/93	6.00e+0	uG/L	U	yes		POST-ROD 1	
CHROMIUM	10/19/93	6.00e+0	uG/L	U	yes		POST-ROD 2	
CHROMIUM	1/6/94	5.00e+0	uG/L	U	yes		POST-ROD 3	
CHROMIUM	4/5/94	7.00e+0	uG/L	U	yes		POST-ROD 4	
CHROMIUM	7/12/94	1.00e+0	uG/L	UJ	no	X	POST-ROD 5	
CHROMIUM	7/12/94	1.00e+0	uG/L	UJ	yes		POST-ROD 5	
CHROMIUM	7/12/94	1.00e+0	uG/L	UJ	yes	X	POST-ROD 5	
CHROMIUM	10/11/94	9.00e+0	uG/L	U	yes		POST-ROD 6	
CHROMIUM	10/11/94	9.00e+0	uG/L	U	yes	X	POST-ROD 6	
CHROMIUM	1/6/95	9.00e+0	uG/L	U	yes		POST-ROD 7	
CHROMIUM	4/10/95	8.00e+0	uG/L	U	yes		POST-ROD 8	
CHROMIUM	7/11/95	9.00e+0	uG/L	EUJ	yes		POST-ROD 9	
CHROMIUM	10/9/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
CHROMIUM	10/9/95	4.00e+0	uG/L	U	yes	X	POST-ROD 10	
CHROMIUM	1/22/96	6.00e+0	uG/L	U	yes		POST-ROD 11	

OU 2-12 Post ROD Contaminant Data

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	4/11/96	6.00e+0	uG/L	U	no	X	POST-ROD 12	
CHROMIUM	4/11/96	6.30e+0	uG/L	B	no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/28/93	1.00e+1	uG/L	U	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/19/93	1.00e+1	uG/L	U	yes		POST-ROD 2	
CHROMIUM HEXAVALENT	1/6/94	1.00e+1	uG/L	U	yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/5/94	1.00e+1	uG/L	U	yes		POST-ROD 4	
CHROMIUM HEXAVALENT	7/12/94	1.00e+1	uG/L	U	yes		POST-ROD 5	
CHROMIUM HEXAVALENT	7/12/94	1.00e+1	uG/L	U	yes	X	POST-ROD 5	
CHROMIUM HEXAVALENT	10/11/94	1.00e+1	uG/L	U	yes		POST-ROD 6	
CHROMIUM HEXAVALENT	10/11/94	1.00e+1	uG/L	U	yes	X	POST-ROD 6	
CHROMIUM HEXAVALENT	1/6/95	1.00e+1	uG/L	U	yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/10/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
CHROMIUM HEXAVALENT	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/9/95	5.00e+0	uG/L	U	yes		POST-ROD 10	
CHROMIUM HEXAVALENT	10/9/95	5.00e+0	uG/L	U	yes	X	POST-ROD 10	
CHROMIUM HEXAVALENT	1/22/96	5.00e+0	uG/L	U	yes		POST-ROD 11	
CO-60	7/28/93	2.30e-1	pCi/mL		no		POST-ROD 1	2.00e-2
CO-60	10/19/93	3.10e-1	pCi/mL		no		POST-ROD 2	2.00e-2
CO-60	1/6/94	1.70e-1	pCi/mL		no		POST-ROD 3	1.00e-2
CO-60	4/5/94	1.80e-1	pCi/mL		no		POST-ROD 4	2.00e-2
CO-60	7/12/94	1.30e-1	pCi/mL		no		POST-ROD 5	1.00e-2
CO-60	7/12/94	1.40e-1	pCi/mL		no	X	POST-ROD 5	1.00e-2
CO-60	10/11/94	1.40e-1	pCi/mL		no		POST-ROD 6	1.00e-2
CO-60	10/11/94	1.50e-1	pCi/mL		no	X	POST-ROD 6	1.00e-2
CO-60	1/6/95	3.30e-1	pCi/mL		no		POST-ROD 7	3.00e-2
CO-60	4/10/95	1.60e-1	pCi/mL		no		POST-ROD 8	1.00e-2
CO-60	7/11/95	7.00e-2	pCi/mL		no		POST-ROD 9	1.00e-2
CO-60	10/9/95	4.00e-2	pCi/mL		no	X	POST-ROD 10	1.00e-2
CO-60	10/9/95	5.00e-2	pCi/mL		no		POST-ROD 10	1.00e-2
CO-60	1/22/96	7.00e-2	pCi/mL		no		POST-ROD 11	1.00e-2
CO-60	4/11/96	6.00e-2	pCi/mL		yes		POST-ROD 12	1.00e-2
CO-60	4/11/96	6.00e-2	pCi/mL		yes	X	POST-ROD 12	1.00e-2
COBALT	7/28/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/19/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	1/6/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/5/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	7/12/94	3.00e+0	uG/L	U	no	X	POST-ROD 5	
COBALT	7/12/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	7/12/94	3.00e+0	uG/L	U	yes	X	POST-ROD 5	
COBALT	10/11/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	10/11/94	1.00e+0	uG/L	UJ	yes	X	POST-ROD 6	
COBALT	1/6/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/10/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COBALT	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/9/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COBALT	10/9/95	1.40e+1	uG/L	U	yes	X	POST-ROD 10	
COBALT	1/22/96	9.00e+0	uG/L	U	yes		POST-ROD 11	

OU 2-12 Post ROD Contaminant Data

Well : PW-12

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
COPPER	1/6/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/10/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	7/11/95	7.00e+0	uG/L	U	yes		POST-ROD 9	
FLUORIDE	7/28/93	1.70e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/19/93	2.00e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/6/94	1.70e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/5/94	1.70e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/12/94	1.70e+2	uG/L		no		POST-ROD 5	
FLUORIDE	7/12/94	1.80e+2	uG/L		no	X	POST-ROD 5	
FLUORIDE	10/11/94	1.80e+2	uG/L		no	X	POST-ROD 6	
FLUORIDE	10/11/94	1.90e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/6/95	1.80e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/10/95	1.60e+2	uG/L		no		POST-ROD 8	
FLUORIDE	7/11/95	2.10e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/9/95	1.80e+2	uG/L		no		POST-ROD 10	
FLUORIDE	10/9/95	1.80e+2	uG/L		no	X	POST-ROD 10	
FLUORIDE	1/22/96	1.40e+2	uG/L		no		POST-ROD 11	
IRON	1/6/95	8.36e+1	uG/L	BU	yes		POST-ROD 7	
IRON	4/10/95	4.14e+1	uG/L	BU*	yes		POST-ROD 8	
IRON	7/11/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
LEAD	7/28/93	1.00e+0	uG/L	U	yes		POST-ROD 1	
LEAD	10/19/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	1/6/94	4.60e+0	uG/L		yes		POST-ROD 3	
LEAD	4/5/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	7/12/94	3.00e+0	uG/L	NUJ	no	X	POST-ROD 5	
LEAD	7/12/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	7/12/94	3.00e+0	uG/L	NUJ	yes	X	POST-ROD 5	
LEAD	10/11/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	10/11/94	1.70e+0	uG/L	UJ	yes	X	POST-ROD 6	
LEAD	1/6/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/10/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	7/11/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/9/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	10/9/95	1.00e+0	uG/L	U	yes	X	POST-ROD 10	
LEAD	1/22/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MAGNESIUM	1/6/95	1.61e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/10/95	1.51e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/11/95	1.49e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/28/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	10/19/93	4.90e+0	uG/L	B	yes		POST-ROD 2	
MANGANESE	1/6/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	4/5/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
MANGANESE	7/12/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	7/12/94	1.00e+0	uG/L	U	yes	X	POST-ROD 5	
MANGANESE	7/12/94	8.00e+0	uG/L	B	no	X	POST-ROD 5	
MANGANESE	10/11/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	10/11/94	4.00e+0	uG/L	UJ	yes	X	POST-ROD 6	

OU 2-12 Post ROD Contaminant Data

Well : PW-12

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
MANGANESE	1/6/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/10/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
MANGANESE	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/9/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
MANGANESE	10/9/95	4.00e+0	uG/L	U	yes	X	POST-ROD 10	
MANGANESE	1/22/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/6/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	4/10/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	7/11/95	1.00e-1	uG/L	U	yes		POST-ROD 9	
NICKEL	1/6/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	4/10/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	7/11/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/6/95	2.55e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/10/95	3.24e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/11/95	2.93e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/6/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/10/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	7/11/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/6/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/10/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/6/95	2.02e+4	uG/L		yes		POST-ROD 7	
SODIUM	4/10/95	2.23e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/11/95	2.48e+4	uG/L		yes		POST-ROD 9	
SR-90	7/28/93	7.00e-2	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/19/93	6.00e-2	pCi/mL		no		POST-ROD 2	0.00e+0
SR-90	1/6/94	5.00e-2	pCi/mL	J	no		POST-ROD 3	0.00e+0
SR-90	4/5/94	5.00e-2	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	7/12/94	4.00e-2	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	7/12/94	5.00e-2	pCi/mL		no	X	POST-ROD 5	0.00e+0
SR-90	10/11/94	4.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
SR-90	10/11/94	4.00e-2	pCi/mL		no	X	POST-ROD 6	0.00e+0
SR-90	1/6/95	4.00e-2	pCi/mL		no		POST-ROD 7	0.00e+0
SR-90	4/10/95	4.00e-2	pCi/mL		no		POST-ROD 8	0.00e+0
SR-90	7/11/95	3.00e-2	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/9/95	3.00e-2	pCi/mL		no		POST-ROD 10	0.00e+0
SR-90	10/9/95	3.00e-2	pCi/mL		no	X	POST-ROD 10	0.00e+0
SR-90	1/22/96	4.00e-2	pCi/mL		no		POST-ROD 11	0.00e+0
SR-90	4/11/96	5.00e-2	pCi/mL	J	yes		POST-ROD 12	0.00e+0
SR-90	4/11/96	7.00e-2	pCi/mL	J	yes	X	POST-ROD 12	0.00e+0
THALLIUM	1/6/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/10/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THU-234	10/9/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
THU-234	10/9/95	0.00e+0	pCi/mL		no	X	POST-ROD 10	0.00e+0
TRITIUM	7/28/93	2.41e+1	pCi/mL		no		POST-ROD 1	5.00e-1
TRITIUM	10/19/93	2.74e+1	pCi/mL		no		POST-ROD 2	4.50e-1

OU 2-12 Post ROD Contaminant Data

Well : PW-12

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
TRITIUM	1/6/94	1.90e+1	pCi/mL		no		POST-ROD 3	4.00e-1
TRITIUM	4/5/94	1.70e+1	pCi/mL		no		POST-ROD 4	4.00e-1
TRITIUM	7/12/94	1.32e+1	pCi/mL		no	X	POST-ROD 5	3.00e-1
TRITIUM	7/12/94	1.36e+1	pCi/mL		no		POST-ROD 5	3.00e-1
TRITIUM	10/11/94	1.07e+1	pCi/mL		no	X	POST-ROD 6	3.00e-1
TRITIUM	10/11/94	1.09e+1	pCi/mL		no		POST-ROD 6	3.00e-1
TRITIUM	1/6/95	1.28e+1	pCi/mL		no		POST-ROD 7	3.00e-1
TRITIUM	4/10/95	7.07e+0	pCi/mL		no		POST-ROD 8	2.40e-1
TRITIUM	7/11/95	4.57e+0	pCi/mL		no		POST-ROD 9	2.20e-1
TRITIUM	10/9/95	3.00e+0	pCi/mL		no		POST-ROD 10	1.40e+0
TRITIUM	10/9/95	3.00e+0	pCi/mL		no	X	POST-ROD 10	1.40e+0
TRITIUM	1/22/96	5.90e+0	pCi/mL		no		POST-ROD 11	2.00e-1
TRITIUM	4/11/96	5.44e+0	pCi/mL		yes	X	POST-ROD 12	2.40e-1
TRITIUM	4/11/96	5.45e+0	pCi/mL		yes		POST-ROD 12	2.40e-1
U-235	10/9/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-235	10/9/95	0.00e+0	pCi/mL	U	no	X	POST-ROD 10	0.00e+0
U-238	10/9/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
U-238	10/9/95	0.00e+0	pCi/mL	U	no	X	POST-ROD 10	0.00e+0
VANADIUM	1/6/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/10/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	7/11/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/6/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/10/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

Well : PW-13

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	4/12/96	6.00e+0	uG/L	U	no		POST-ROD 12	
CO-60	10/16/95	4.00e-2	pCi/mL		no		POST-ROD 10	1.00e-2
CO-60	4/12/96	2.00e-2	pCi/mL		yes		POST-ROD 12	0.00e+0
SR-90	10/16/95	1.00e-1	pCi/mL		no		POST-ROD 10	0.00e+0
SR-90	4/12/96	1.00e-1	pCi/mL	J	yes		POST-ROD 12	0.00e+0
THU-234	10/16/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
TRITIUM	10/16/95	1.80e+1	pCi/mL		no		POST-ROD 10	4.00e+0
TRITIUM	4/12/96	9.76e+0	pCi/mL		yes		POST-ROD 12	3.00e-1
U-235	10/16/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/16/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0

Well : TRA-4

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ARSENIC	1/6/94	2.00e+0	uG/L	UW	no		POST-ROD 3	
ARSENIC	1/6/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
BERYLLIUM	1/6/94	4.00e+0	uG/L	U	no		POST-ROD 3	
BERYLLIUM	1/6/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	1/6/94	2.00e+0	uG/L	U	no		POST-ROD 3	
CADMIUM	1/6/94	2.00e+0	uG/L	U	yes		POST-ROD 3	

OU 2-12 Post ROD Contaminant Data

Well : TRA-4

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	1/6/94	5.00e+0	uG/L	U	no		POST-ROD 3	
CHROMIUM	1/6/94	6.00e+0	uG/L	BU	yes		POST-ROD 3	
CHROMIUM HEXAVALENT	1/6/94	1.00e+1	uG/L	U	no		POST-ROD 3	
CHROMIUM HEXAVALENT	1/6/94	1.00e+1	uG/L	U	yes		POST-ROD 3	
COBALT	1/6/94	1.20e+1	uG/L	U	no		POST-ROD 3	
COBALT	1/6/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
LEAD	1/6/94	1.00e+0	uG/L	U	no		POST-ROD 3	
LEAD	1/6/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
MANGANESE	1/6/94	3.00e+0	uG/L	U	no		POST-ROD 3	
MANGANESE	1/6/94	3.00e+0	uG/L	U	yes		POST-ROD 3	

Well : TRA-7

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/9/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	1/9/95	3.10e+1	uG/L	UJ	yes	X	POST-ROD 7	
ALUMINUM	7/12/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
ALUMINUM	7/12/95	5.74e+1	uG/L	BU	yes	X	POST-ROD 9	
AM-241	7/27/93	0.00e+0	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	7/27/93	3.00e-2	pCi/L	U	no	X	POST-ROD 1	1.00e-2
AM-241	1/7/94	1.30e-1	pCi/L	U	no		POST-ROD 3	1.30e-1
AM-241	7/14/94	0.00e+0	pCi/L	U	no		POST-ROD 5	6.00e-2
AM-241	1/9/95	0.00e+0	pCi/L	U	no		POST-ROD 7	3.00e-2
AM-241	1/9/95	0.00e+0	pCi/L	U	no	X	POST-ROD 7	5.00e-2
AM-241	7/12/95	0.00e+0	pCi/L	U	no	X	POST-ROD 9	6.00e-2
AM-241	7/12/95	4.00e-2	pCi/L	U	no		POST-ROD 9	7.00e-2
AM-241	1/16/96	0.00e+0	pCi/L	U	no		POST-ROD 11	5.00e-2
AM-241	1/16/96	1.00e-1	pCi/L	U	no	X	POST-ROD 11	7.00e-2
ANTIMONY	1/9/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	1/9/95	3.00e+0	uG/L	UJ	yes	X	POST-ROD 7	
ANTIMONY	7/12/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ANTIMONY	7/12/95	6.00e+0	uG/L	U	yes	X	POST-ROD 9	
ARSENIC	7/27/93	2.00e+0	uG/L	UWN	no		POST-ROD 1	
ARSENIC	7/27/93	2.00e+0	uG/L	UWN	no	X	POST-ROD 1	
ARSENIC	7/27/93	2.00e+0	uG/L	UWN	yes		POST-ROD 1	
ARSENIC	7/27/93	2.00e+0	uG/L	UWN	yes	X	POST-ROD 1	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	no		POST-ROD 3	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	7/14/94	6.00e+0	uG/L	UJ	no		POST-ROD 5	
ARSENIC	7/14/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	1/9/95	7.00e+0	uG/L	U	yes	X	POST-ROD 7	
ARSENIC	7/12/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/12/95	3.00e+0	uG/L	U	yes	X	POST-ROD 9	
ARSENIC	1/16/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
ARSENIC	1/16/96	3.00e+0	uG/L	U	yes	X	POST-ROD 11	
BARIUM	1/9/95	1.20e+2	uG/L	B	yes	X	POST-ROD 7	
BARIUM	1/9/95	1.27e+2	uG/L	B	yes		POST-ROD 7	

OU 2-12 Post ROD Contaminant Data

Well : TRA-7

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
BARIUM	7/12/95	1.15e+2	uG/L	B	yes	X	POST-ROD 9	
BARIUM	7/12/95	1.17e+2	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	no		POST-ROD 1	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	no	X	POST-ROD 1	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	yes	X	POST-ROD 1	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	no		POST-ROD 3	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	7/14/94	7.00e-1	uG/L	U	no		POST-ROD 5	
BERYLLIUM	7/14/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	1/9/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	1/9/95	4.00e+0	uG/L	U	yes	X	POST-ROD 7	
BERYLLIUM	7/12/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	7/12/95	5.00e+0	uG/L	U	yes	X	POST-ROD 9	
BERYLLIUM	1/16/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
BERYLLIUM	1/16/96	4.00e+0	uG/L	U	yes	X	POST-ROD 11	
CADMIUM	7/27/93	5.00e+0	uG/L	U	no		POST-ROD 1	
CADMIUM	7/27/93	5.00e+0	uG/L	U	no	X	POST-ROD 1	
CADMIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	7/27/93	5.00e+0	uG/L	U	yes	X	POST-ROD 1	
CADMIUM	1/10/94	2.00e+0	uG/L	U	no		POST-ROD 3	
CADMIUM	1/10/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	7/14/94	8.00e-1	uG/L	U	no		POST-ROD 5	
CADMIUM	7/14/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	1/9/95	2.00e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	1/9/95	2.00e+0	uG/L	*UJ	yes	X	POST-ROD 7	
CADMIUM	7/12/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	7/12/95	1.00e+0	uG/L	U	yes	X	POST-ROD 9	
CADMIUM	1/16/96	4.00e+0	uG/L	B	yes	X	POST-ROD 11	
CADMIUM	1/16/96	5.00e+0	uG/L		yes		POST-ROD 11	
CALCIUM	1/9/95	7.69e+4	uG/L		yes	X	POST-ROD 7	
CALCIUM	1/9/95	8.08e+4	uG/L		yes		POST-ROD 7	
CALCIUM	7/12/95	7.87e+4	uG/L		yes	X	POST-ROD 9	
CALCIUM	7/12/95	8.16e+4	uG/L		yes		POST-ROD 9	
CHROMIUM	7/27/93	1.94e+2	uG/L		yes	X	POST-ROD 1	
CHROMIUM	7/27/93	2.01e+2	uG/L		yes		POST-ROD 1	
CHROMIUM	7/27/93	2.08e+2	uG/L		no	X	POST-ROD 1	
CHROMIUM	7/27/93	3.21e+2	uG/L		no		POST-ROD 1	
CHROMIUM	1/10/94	1.95e+2	uG/L		yes		POST-ROD 3	
CHROMIUM	1/10/94	2.04e+2	uG/L		no		POST-ROD 3	
CHROMIUM	7/14/94	1.90e+2	uG/L		yes		POST-ROD 5	
CHROMIUM	7/14/94	2.42e+2	uG/L		no		POST-ROD 5	
CHROMIUM	1/9/95	1.86e+2	uG/L		yes	X	POST-ROD 7	
CHROMIUM	1/9/95	1.95e+2	uG/L		yes		POST-ROD 7	
CHROMIUM	7/12/95	1.65e+2	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	7/12/95	1.70e+2	uG/L	EJ	yes	X	POST-ROD 9	
CHROMIUM	1/16/96	2.08e+2	uG/L		yes	X	POST-ROD 11	

OU 2-12 Post ROD Contaminant Data

Well : TRA-7

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	1/16/96	2.09e+2	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	1.94e+2	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/27/93	1.97e+2	uG/L	J	no		POST-ROD 1	
CHROMIUM HEXAVALENT	7/27/93	2.00e+2	uG/L	J	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	7/27/93	2.02e+2	uG/L	J	yes	X	POST-ROD 1	
CHROMIUM HEXAVALENT	7/27/93	2.06e+2	uG/L	J	no	X	POST-ROD 1	
CHROMIUM HEXAVALENT	1/10/94	1.83e+2	uG/L		no		POST-ROD 3	
CHROMIUM HEXAVALENT	1/10/94	1.84e+2	uG/L		yes		POST-ROD 3	
CHROMIUM HEXAVALENT	7/14/94	1.86e+2	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	1/9/95	1.78e+2	uG/L		yes	X	POST-ROD 7	
CHROMIUM HEXAVALENT	1/9/95	1.82e+2	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	7/12/95	1.90e+2	uG/L		yes	X	POST-ROD 9	
CHROMIUM HEXAVALENT	7/12/95	2.00e+2	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	1/16/96	1.90e+2	uG/L	J	yes		POST-ROD 11	
CHROMIUM HEXAVALENT	1/16/96	2.00e+2	uG/L	J	yes	X	POST-ROD 11	
COBALT	7/27/93	1.70e+1	uG/L	U	no		POST-ROD 1	
COBALT	7/27/93	1.70e+1	uG/L	U	no	X	POST-ROD 1	
COBALT	7/27/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	7/27/93	1.70e+1	uG/L	U	yes	X	POST-ROD 1	
COBALT	1/10/94	1.20e+1	uG/L	U	no		POST-ROD 3	
COBALT	1/10/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	7/14/94	3.00e+0	uG/L	U	no		POST-ROD 5	
COBALT	7/14/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	1/9/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	1/9/95	1.90e+1	uG/L	U	yes	X	POST-ROD 7	
COBALT	7/12/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	7/12/95	3.00e+0	uG/L	U	yes	X	POST-ROD 9	
COBALT	1/16/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COBALT	1/16/96	9.00e+0	uG/L	U	yes	X	POST-ROD 11	
COPPER	1/9/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	1/9/95	1.20e+1	uG/L	U	yes	X	POST-ROD 7	
COPPER	7/12/95	8.70e+0	uG/L	BU	yes		POST-ROD 9	
COPPER	7/12/95	1.01e+1	uG/L	BU	yes	X	POST-ROD 9	
FLUORIDE	7/27/93	1.70e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	7/27/93	1.70e+2	uG/L	J	no	X	POST-ROD 1	
FLUORIDE	1/10/94	1.80e+2	uG/L		no		POST-ROD 3	
FLUORIDE	7/14/94	1.70e+2	uG/L		no		POST-ROD 5	
FLUORIDE	1/9/95	1.70e+2	uG/L		no		POST-ROD 7	
FLUORIDE	1/9/95	1.70e+2	uG/L		no	X	POST-ROD 7	
FLUORIDE	7/12/95	1.90e+2	uG/L		no		POST-ROD 9	
FLUORIDE	7/12/95	1.90e+2	uG/L		no	X	POST-ROD 9	
FLUORIDE	1/16/96	1.30e+2	uG/L		no	X	POST-ROD 11	
FLUORIDE	1/16/96	1.40e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/27/93		pCi/L	U			POST-ROD 1	
GAMMA ND	1/10/94		pCi/L	U			POST-ROD 3	
GAMMA ND	7/14/94		pCi/L	U			POST-ROD 5	
GAMMA ND	7/12/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/16/96		pCi/L	U			POST-ROD 11	

OU 2-12 Post ROD Contaminant Data

Well : TRA-7

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
IRON	1/9/95	3.68e+1	uG/L	BU	yes	X	POST-ROD 7	
IRON	1/9/95	4.19e+1	uG/L	BU	yes		POST-ROD 7	
IRON	7/12/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
IRON	7/12/95	4.40e+1	uG/L	U	yes	X	POST-ROD 9	
LEAD	7/27/93	1.00e+0	uG/L	U	yes		POST-ROD 1	
LEAD	7/27/93	1.00e+0	uG/L	U	yes	X	POST-ROD 1	
LEAD	7/27/93	2.20e+0	uG/L	B	no	X	POST-ROD 1	
LEAD	7/27/93	2.60e+0	uG/L	B	no		POST-ROD 1	
LEAD	1/10/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	1/10/94	1.20e+0	uG/L	BWJ	no		POST-ROD 3	
LEAD	7/14/94	3.00e+0	uG/L	NUJ	no		POST-ROD 5	
LEAD	7/14/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	1/9/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	1/9/95	2.80e+0	uG/L	U	yes	X	POST-ROD 7	
LEAD	7/12/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	7/12/95	2.00e+0	uG/L	U	yes	X	POST-ROD 9	
LEAD	1/16/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
LEAD	1/16/96	2.00e+0	uG/L	U	yes	X	POST-ROD 11	
MAGNESIUM	1/9/95	1.93e+4	uG/L		yes	X	POST-ROD 7	
MAGNESIUM	1/9/95	2.03e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	7/12/95	2.00e+4	uG/L		yes		POST-ROD 9	
MAGNESIUM	7/12/95	2.08e+4	uG/L		yes	X	POST-ROD 9	
MANGANESE	7/27/93	4.00e+0	uG/L	B	yes		POST-ROD 1	
MANGANESE	7/27/93	4.00e+0	uG/L	B	yes	X	POST-ROD 1	
MANGANESE	7/27/93	8.00e+0	uG/L	B	no	X	POST-ROD 1	
MANGANESE	7/27/93	1.50e+1	uG/L		no		POST-ROD 1	
MANGANESE	1/10/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	1/10/94	7.00e+0	uG/L	B	no		POST-ROD 3	
MANGANESE	7/14/94	3.80e+0	uG/L	B	yes		POST-ROD 5	
MANGANESE	7/14/94	8.20e+0	uG/L	B	no		POST-ROD 5	
MANGANESE	1/9/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	1/9/95	6.00e+0	uG/L	U	yes	X	POST-ROD 7	
MANGANESE	7/12/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	7/12/95	5.00e+0	uG/L	U	yes	X	POST-ROD 9	
MANGANESE	1/16/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MANGANESE	1/16/96	6.00e+0	uG/L	U	yes	X	POST-ROD 11	
MERCURY	1/9/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	1/9/95	1.00e-1	uG/L	U	yes	X	POST-ROD 7	
MERCURY	7/12/95	1.00e-1	uG/L	U	yes		POST-ROD 9	
MERCURY	7/12/95	1.00e-1	uG/L	U	yes	X	POST-ROD 9	
NICKEL	1/9/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	1/9/95	1.70e+1	uG/L	U	yes	X	POST-ROD 7	
NICKEL	7/12/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
NICKEL	7/12/95	1.40e+1	uG/L	U	yes	X	POST-ROD 9	
POTASSIUM	1/9/95	2.89e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	1/9/95	3.00e+3	uG/L	B	yes	X	POST-ROD 7	
POTASSIUM	7/12/95	3.11e+3	uG/L	B	yes	X	POST-ROD 9	

OU 2-12 Post ROD Contaminant Data

Well : TRA-7

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
POTASSIUM	7/12/95	3.20e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/9/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	1/9/95	4.90e+0	uG/L	UN	yes	X	POST-ROD 7	
SELENIUM	7/12/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SELENIUM	7/12/95	4.00e+0	uG/L	U	yes	X	POST-ROD 9	
SILVER	1/9/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	1/9/95	2.00e+0	uG/L	U	yes	X	POST-ROD 7	
SILVER	7/12/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	7/12/95	1.00e+0	uG/L	U	yes	X	POST-ROD 9	
SODIUM	1/9/95	1.26e+4	uG/L		yes	X	POST-ROD 7	
SODIUM	1/9/95	1.34e+4	uG/L		yes		POST-ROD 7	
SODIUM	7/12/95	1.13e+4	uG/L		yes		POST-ROD 9	
SODIUM	7/12/95	1.23e+4	uG/L		yes	X	POST-ROD 9	
SR-90	7/27/93	0.00e+0	pCi/mL	U	no		POST-ROD 1	0.00e+0
SR-90	7/27/93	0.00e+0	pCi/mL	U	no	X	POST-ROD 1	0.00e+0
SR-90	1/7/94	0.00e+0	pCi/mL	UJ	no		POST-ROD 3	0.00e+0
SR-90	7/14/94	0.00e+0	pCi/mL	U	no		POST-ROD 5	0.00e+0
SR-90	1/9/95	0.00e+0	pCi/mL	U	no		POST-ROD 7	0.00e+0
SR-90	1/9/95	0.00e+0	pCi/mL	U	no	X	POST-ROD 7	0.00e+0
SR-90	7/12/95	0.00e+0	pCi/mL	U	no		POST-ROD 9	0.00e+0
SR-90	7/12/95	0.00e+0	pCi/mL	U	no	X	POST-ROD 9	0.00e+0
SR-90	1/16/96	0.00e+0	pCi/mL		no		POST-ROD 11	0.00e+0
SR-90	1/16/96	0.00e+0	pCi/mL	U	no	X	POST-ROD 11	0.00e+0
SR-90	4/11/96	0.00e+0	pCi/mL	UJ	yes		POST-ROD 12	0.00e+0
THALLIUM	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	1/9/95	7.00e+0	uG/L	U	yes	X	POST-ROD 7	
THALLIUM	7/12/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THALLIUM	7/12/95	3.00e+0	uG/L	U	yes	X	POST-ROD 9	
TRITIUM	7/27/93	3.03e+1	pCi/mL		no	X	POST-ROD 1	5.00e-1
TRITIUM	7/27/93	3.08e+1	pCi/mL		no		POST-ROD 1	5.00e-1
TRITIUM	1/7/94	3.10e+1	pCi/mL		no		POST-ROD 3	5.00e-1
TRITIUM	7/14/94	3.04e+1	pCi/mL		no		POST-ROD 5	5.00e-1
TRITIUM	1/9/95	3.70e+1	pCi/mL		no	X	POST-ROD 7	5.00e-1
TRITIUM	1/9/95	3.76e+1	pCi/mL		no		POST-ROD 7	5.00e-1
TRITIUM	7/12/95	3.34e+1	pCi/mL		no	X	POST-ROD 9	5.00e-1
TRITIUM	7/12/95	3.36e+1	pCi/mL		no		POST-ROD 9	5.00e-1
TRITIUM	1/16/96	3.24e+1	pCi/mL		no	X	POST-ROD 11	5.00e-1
TRITIUM	1/16/96	3.27e+1	pCi/mL		no		POST-ROD 11	5.00e-1
TRITIUM	4/11/96	3.13e+1	pCi/mL		yes		POST-ROD 12	5.00e-1
VANADIUM	1/9/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	1/9/95	2.10e+1	uG/L	U	yes	X	POST-ROD 7	
VANADIUM	7/12/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
VANADIUM	7/12/95	2.10e+1	uG/L	U	yes	X	POST-ROD 9	
ZINC	1/9/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	1/9/95	1.20e+1	uG/L	U	yes	X	POST-ROD 7	
ZINC	7/12/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ZINC	7/12/95	1.16e+1	uG/L	BU	yes	X	POST-ROD 9	

OU 2-12 Post ROD Contaminant Data

Well : TRA-8

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
AM-241	1/16/96	2.00e-2	pCi/L	U	no		POST-ROD 11	6.00e-2
ARSENIC	10/11/95	2.00e+0	uG/L	UJ	yes		POST-ROD 10	
ARSENIC	1/16/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BERYLLIUM	10/11/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	1/16/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	10/11/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	1/16/96	4.00e+0	uG/L	B	yes		POST-ROD 11	
CHROMIUM	10/11/95	1.02e+2	uG/L		yes		POST-ROD 10	
CHROMIUM	1/16/96	8.59e+1	uG/L		yes		POST-ROD 11	
CHROMIUM HEXAVALENT	10/11/95	1.10e+2	uG/L		yes		POST-ROD 10	
CHROMIUM HEXAVALENT	1/16/96	8.30e+1	uG/L	J	yes		POST-ROD 11	
COBALT	10/11/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COBALT	1/16/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
FLUORIDE	10/11/95	1.50e+2	uG/L		no		POST-ROD 10	
FLUORIDE	1/16/96	1.20e+2	uG/L		no		POST-ROD 11	
GAMMA ND	1/16/96		pCi/L	U			POST-ROD 11	
LEAD	10/11/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	1/16/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MANGANESE	10/11/95	6.70e+0	uG/L	BJ	yes		POST-ROD 10	
MANGANESE	1/16/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
SR-90	10/11/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	2.00e-1
SR-90	1/16/96	0.00e+0	pCi/mL	U	no		POST-ROD 11	0.00e+0
THU-234	10/11/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	10/11/95	1.30e+1	pCi/mL		no		POST-ROD 10	3.00e+0
TRITIUM	1/16/96	1.24e+1	pCi/mL		no		POST-ROD 11	3.00e-1
U-235	10/11/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/11/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0

Well : USGS-53

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/5/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/7/95	5.02e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/10/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/21/93	7.00e-1	pCi/L		no		POST-ROD 1	2.00e-1
AM-241	10/19/93	4.00e-1	pCi/L	U	no		POST-ROD 2	2.00e-1
AM-241	10/19/93	4.30e-1	pCi/L		no	X	POST-ROD 2	1.30e-1
AM-241	1/7/94	0.00e+0	pCi/L	U	no		POST-ROD 3	9.00e-2
AM-241	4/4/94	1.50e-1	pCi/L	U	no		POST-ROD 4	1.10e-1
AM-241	7/11/94	0.00e+0	pCi/L	U	no		POST-ROD 5	5.00e-2
AM-241	10/10/94	4.00e-2	pCi/L	U	no		POST-ROD 6	1.00e-1
AM-241	1/5/95	9.00e-2	pCi/L	U	no		POST-ROD 7	7.00e-2
AM-241	4/7/95	0.00e+0	pCi/L	U	no		POST-ROD 8	3.00e-2
AM-241	7/10/95	3.00e-2	pCi/L	U	no		POST-ROD 9	6.00e-2
ANTIMONY	1/5/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	4/7/95	3.90e+0	uG/L	BU	yes		POST-ROD 8	
ANTIMONY	7/10/95	9.30e+0	uG/L	B	yes		POST-ROD 9	
ARSENIC	7/21/93	1.39e+1	uG/L	N	yes		POST-ROD 1	

OU 2-12 Post ROD Contaminant Data

Well : USGS-53

Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ARSENIC	10/19/93	8.80e+0	uG/L	B	yes		POST-ROD 2	
ARSENIC	10/19/93	9.80e+0	uG/L	B	yes	X	POST-ROD 2	
ARSENIC	1/7/94	8.00e+0	uG/L	BWJ	yes		POST-ROD 3	
ARSENIC	4/4/94	5.70e+0	uG/L	BWJ	yes		POST-ROD 4	
ARSENIC	7/11/94	1.16e+1	uG/L	J	yes		POST-ROD 5	
ARSENIC	10/10/94	5.90e+0	uG/L	BJ	yes		POST-ROD 6	
ARSENIC	1/5/95	1.10e+1	uG/L		yes		POST-ROD 7	
ARSENIC	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
ARSENIC	7/10/95	3.30e+0	uG/L	B	yes		POST-ROD 9	
ARSENIC	10/5/95	5.10e+0	uG/L	U	yes		POST-ROD 10	
BARIUM	1/5/95	1.50e+2	uG/L	B	yes		POST-ROD 7	
BARIUM	4/7/95	1.71e+2	uG/L	B	yes		POST-ROD 8	
BARIUM	7/10/95	1.89e+2	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/21/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	10/19/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	10/19/93	4.00e+0	uG/L	U	yes	X	POST-ROD 2	
BERYLLIUM	1/7/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/4/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
BERYLLIUM	7/11/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	10/10/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	1/5/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	7/21/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/19/93	5.00e+0	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	10/19/93	5.00e+0	uG/L	*UJ	yes	X	POST-ROD 2	
CADMIUM	1/7/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/4/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	7/11/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	10/10/94	4.00e-1	uG/L	U	yes		POST-ROD 6	
CADMIUM	1/5/95	7.50e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
CADMIUM	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/5/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CALCIUM	1/5/95	8.20e+4	uG/L		yes		POST-ROD 7	
CALCIUM	4/7/95	1.10e+5	uG/L		yes		POST-ROD 8	
CALCIUM	7/10/95	1.05e+5	uG/L		yes		POST-ROD 9	
CHROMIUM	7/21/93	5.34e+1	uG/L		yes		POST-ROD 1	
CHROMIUM	10/19/93	2.48e+1	uG/L		yes	X	POST-ROD 2	
CHROMIUM	10/19/93	3.46e+1	uG/L		yes		POST-ROD 2	
CHROMIUM	1/7/94	2.38e+2	uG/L		yes		POST-ROD 3	
CHROMIUM	4/4/94	1.16e+2	uG/L		yes		POST-ROD 4	
CHROMIUM	7/11/94	4.68e+1	uG/L		yes		POST-ROD 5	
CHROMIUM	10/10/94	2.43e+2	uG/L		yes		POST-ROD 6	
CHROMIUM	1/5/95	7.90e+1	uG/L		yes		POST-ROD 7	
CHROMIUM	4/7/95	3.91e+2	uG/L		yes		POST-ROD 8	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	7/10/95	8.14e+2	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	10/5/95	5.99e+2	uG/L		yes		POST-ROD 10	
CHROMIUM HEXAVALENT	7/21/93	5.30e+1	uG/L		yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/19/93	3.31e+1	uG/L		yes		POST-ROD 2	
CHROMIUM HEXAVALENT	10/19/93	3.57e+1	uG/L		yes	X	POST-ROD 2	
CHROMIUM HEXAVALENT	1/7/94	2.27e+2	uG/L	J	yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/4/94	1.19e+2	uG/L		yes		POST-ROD 4	
CHROMIUM HEXAVALENT	7/11/94	4.73e+1	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	10/10/94	2.31e+2	uG/L		yes		POST-ROD 6	
CHROMIUM HEXAVALENT	1/5/95	8.06e+1	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/7/95	4.20e+2	uG/L		yes		POST-ROD 8	
CHROMIUM HEXAVALENT	7/10/95	7.90e+2	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/5/95	5.90e+2	uG/L		yes		POST-ROD 10	
CO-60	7/21/93	9.00e-2	pCi/mL		no		POST-ROD 1	1.00e-2
CO-60	1/7/94	5.00e-2	pCi/mL		no		POST-ROD 3	1.00e-2
CO-60	4/4/94	4.00e-2	pCi/mL		no		POST-ROD 4	0.00e+0
CO-60	10/10/94	2.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
CO-60	1/5/95	5.00e-2	pCi/mL		no		POST-ROD 7	1.00e-2
CO-60	4/7/95	2.00e-2	pCi/mL		no		POST-ROD 8	1.00e-2
CO-60	7/10/95	2.00e-2	pCi/mL		no		POST-ROD 9	1.00e-2
COBALT	7/21/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/19/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	10/19/93	7.00e+0	uG/L	UN	yes	X	POST-ROD 2	
COBALT	1/7/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/4/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	7/11/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	10/10/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	1/5/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COBALT	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/5/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COPPER	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	7/10/95	7.00e+0	uG/L	U	yes		POST-ROD 9	
FLUORIDE	7/21/93	2.20e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/19/93	2.20e+2	uG/L		no	X	POST-ROD 2	
FLUORIDE	10/19/93	2.30e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/7/94	2.20e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/4/94	2.10e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/11/94	2.20e+2	uG/L		no		POST-ROD 5	
FLUORIDE	10/10/94	2.40e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/5/95	2.40e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/7/95	1.70e+2	uG/L		no		POST-ROD 8	
FLUORIDE	7/10/95	2.00e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/5/95	2.00e+2	uG/L		no		POST-ROD 10	
GAMMA ND	10/19/93		pCi/L	U			POST-ROD 2	
GAMMA ND	7/11/94		pCi/L	U			POST-ROD 5	
IRON	1/5/95	5.39e+1	uG/L	BU	yes		POST-ROD 7	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
IRON	4/7/95	4.07e+1	uG/L	BU*	yes		POST-ROD 8	
IRON	7/10/95	7.93e+1	uG/L	BU	yes		POST-ROD 9	
LEAD	7/21/93	1.50e+0	uG/L	B	yes		POST-ROD 1	
LEAD	10/19/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	10/19/93	1.00e+0	uG/L	UNW	yes	X	POST-ROD 2	
LEAD	1/7/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	4/4/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	7/11/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	10/10/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	1/5/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/7/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	7/10/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
MAGNESIUM	1/5/95	2.37e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/7/95	2.95e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/10/95	2.86e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/21/93	1.66e+1	uG/L		yes		POST-ROD 1	
MANGANESE	10/19/93	3.00e+0	uG/L	U	yes		POST-ROD 2	
MANGANESE	10/19/93	3.00e+0	uG/L	U	yes	X	POST-ROD 2	
MANGANESE	1/7/94	7.00e+0	uG/L	B	yes		POST-ROD 3	
MANGANESE	4/4/94	2.12e+1	uG/L		yes		POST-ROD 4	
MANGANESE	7/11/94	3.70e+0	uG/L	B	yes		POST-ROD 5	
MANGANESE	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	1/5/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/7/95	3.61e+1	uG/L		yes		POST-ROD 8	
MANGANESE	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/5/95	4.40e+0	uG/L	B	yes		POST-ROD 10	
MERCURY	1/5/95	1.00e-1	uG/L	BU	yes		POST-ROD 7	
MERCURY	4/7/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	7/10/95	1.40e-1	uG/L	BU	yes		POST-ROD 9	
NICKEL	1/5/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	4/7/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	7/10/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/5/95	2.90e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/7/95	3.92e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/10/95	3.78e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/5/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/7/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	7/10/95	4.10e+0	uG/L	B	yes		POST-ROD 9	
SILVER	1/5/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/7/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/5/95	1.48e+4	uG/L		yes		POST-ROD 7	
SODIUM	4/7/95	1.40e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/10/95	1.72e+4	uG/L		yes		POST-ROD 9	
SR-90	7/21/93	1.00e-1	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/19/93	7.00e-2	pCi/mL		no		POST-ROD 2	0.00e+0

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
SR-90	10/19/93	8.00e-2	pCi/mL		no	X	POST-ROD 2	0.00e+0
SR-90	1/7/94	1.30e-1	pCi/mL	J	no		POST-ROD 3	0.00e+0
SR-90	4/4/94	1.40e-1	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	7/11/94	8.00e-2	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	10/10/94	8.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
SR-90	1/5/95	1.20e-1	pCi/mL		no		POST-ROD 7	0.00e+0
SR-90	4/7/95	1.40e-1	pCi/mL		no		POST-ROD 8	0.00e+0
SR-90	7/10/95	1.20e-1	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/5/95	1.40e-1	pCi/mL		no		POST-ROD 10	0.00e+0
THALLIUM	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	7/10/95	4.20e+0	uG/L	BU	yes		POST-ROD 9	
THU-234	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	7/21/93	3.90e+2	pCi/mL		no		POST-ROD 1	1.50e+0
TRITIUM	10/19/93	4.20e+1	pCi/mL		no	X	POST-ROD 2	5.00e-1
TRITIUM	10/19/93	4.34e+1	pCi/mL		no		POST-ROD 2	5.50e-1
TRITIUM	1/7/94	2.46e+2	pCi/mL		no		POST-ROD 3	1.00e+0
TRITIUM	4/4/94	2.10e+2	pCi/mL		no		POST-ROD 4	1.00e+0
TRITIUM	7/11/94	3.63e+1	pCi/mL		no		POST-ROD 5	5.00e-1
TRITIUM	10/10/94	1.58e+2	pCi/mL		no		POST-ROD 6	1.00e+0
TRITIUM	1/5/95	2.08e+2	pCi/mL		no		POST-ROD 7	1.00e+0
TRITIUM	4/7/95	1.51e+2	pCi/mL		no		POST-ROD 8	1.00e+0
TRITIUM	7/10/95	1.18e+2	pCi/mL		no		POST-ROD 9	1.00e+0
TRITIUM	10/5/95	1.30e+2	pCi/mL		no		POST-ROD 10	2.00e+1
U-235	10/5/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
VANADIUM	1/5/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/7/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	7/10/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/7/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/5/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/10/95	3.85e+1	uG/L	BU	yes	X	POST-ROD 8	
ALUMINUM	4/10/95	5.63e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/11/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/21/93	1.00e-1	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	10/19/93	0.00e+0	pCi/L	U	no		POST-ROD 2	2.00e-2
AM-241	1/11/94	0.00e+0	pCi/L	U	no		POST-ROD 3	7.00e-2
AM-241	4/5/94	2.10e-1	pCi/L	U	no	X	POST-ROD 4	1.30e-1
AM-241	4/5/94	4.00e-1	pCi/L		no		POST-ROD 4	1.70e-1
AM-241	7/12/94	0.00e+0	pCi/L	U	no		POST-ROD 5	7.00e-2
AM-241	10/10/94	0.00e+0	pCi/L	U	no		POST-ROD 6	6.00e-2
AM-241	1/5/95	0.00e+0	pCi/L	U	no		POST-ROD 7	5.00e-2

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
AM-241	4/10/95	1.00e-1	pCi/L	UJ	no	X	POST-ROD 8	4.00e-2
AM-241	4/10/95	1.30e-1	pCi/L	UJ	no		POST-ROD 8	4.00e-2
AM-241	7/11/95	8.00e-2	pCi/L	U	no		POST-ROD 9	8.00e-2
AM-241	1/15/96	2.80e-1	pCi/L		no		POST-ROD 11	1.00e-1
ANTIMONY	1/5/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	4/10/95	3.00e+0	uG/L	U	yes		POST-ROD 8	
ANTIMONY	4/10/95	3.00e+0	uG/L	U	yes	X	POST-ROD 8	
ANTIMONY	7/11/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/21/93	1.46e+1	uG/L	BN	yes		POST-ROD 1	
ARSENIC	10/19/93	1.16e+1	uG/L		yes		POST-ROD 2	
ARSENIC	1/11/94	9.80e+0	uG/L	BW	yes		POST-ROD 3	
ARSENIC	4/5/94	1.06e+1	uG/L		yes		POST-ROD 4	
ARSENIC	4/5/94	1.43e+1	uG/L	S	yes	X	POST-ROD 4	
ARSENIC	7/12/94	1.46e+1	uG/L	J	yes		POST-ROD 5	
ARSENIC	10/10/94	6.70e+0	uG/L	BJ	yes		POST-ROD 6	
ARSENIC	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	4/10/95	7.30e+0	uG/L	B	yes		POST-ROD 8	
ARSENIC	4/10/95	7.80e+0	uG/L	B	yes	X	POST-ROD 8	
ARSENIC	7/11/95	8.60e+0	uG/L	B	yes		POST-ROD 9	
ARSENIC	10/9/95	1.10e+1	uG/L	U	yes		POST-ROD 10	
ARSENIC	1/15/96	9.30e+0	uG/L	B	yes		POST-ROD 11	
BARIUM	1/5/95	1.33e+2	uG/L	B	yes		POST-ROD 7	
BARIUM	4/10/95	1.28e+2	uG/L	B	yes	X	POST-ROD 8	
BARIUM	4/10/95	1.34e+2	uG/L	B	yes		POST-ROD 8	
BARIUM	7/11/95	1.60e+2	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/21/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	10/19/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	1/11/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/5/94	1.00e+0	uG/L	U	yes	X	POST-ROD 4	
BERYLLIUM	4/5/94	1.90e+0	uG/L	BU	yes		POST-ROD 4	
BERYLLIUM	7/12/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	10/10/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	1/5/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/10/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	4/10/95	4.00e+0	uG/L	U	yes	X	POST-ROD 8	
BERYLLIUM	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/9/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	1/15/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/21/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/19/93	5.00e+0	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	1/11/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/5/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	4/5/94	2.00e+0	uG/L	U	yes	X	POST-ROD 4	
CADMIUM	7/12/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	10/10/94	4.00e-1	uG/L	U	yes		POST-ROD 6	
CADMIUM	1/5/95	5.80e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/10/95	4.00e+0	uG/L	U	yes		POST-ROD 8	

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CADMIUM	4/10/95	4.00e+0	uG/L	U	yes	X	POST-ROD 8	
CADMIUM	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/9/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	1/15/96	4.00e+0	uG/L	B	yes		POST-ROD 11	
CALCIUM	1/5/95	1.02e+5	uG/L		yes		POST-ROD 7	
CALCIUM	4/10/95	1.18e+5	uG/L		yes		POST-ROD 8	
CALCIUM	4/10/95	1.18e+5	uG/L		yes	X	POST-ROD 8	
CALCIUM	7/11/95	1.16e+5	uG/L		yes		POST-ROD 9	
CHROMIUM	7/21/93	7.10e+0	uG/L	B	yes		POST-ROD 1	
CHROMIUM	10/19/93	6.00e+0	uG/L	U	yes		POST-ROD 2	
CHROMIUM	1/11/94	1.90e+1	uG/L	U	yes		POST-ROD 3	
CHROMIUM	4/5/94	7.00e+0	uG/L	U	yes	X	POST-ROD 4	
CHROMIUM	4/5/94	7.30e+0	uG/L	B	yes		POST-ROD 4	
CHROMIUM	7/12/94	2.50e+0	uG/L	BJ	yes		POST-ROD 5	
CHROMIUM	10/10/94	9.00e+0	uG/L	U	yes		POST-ROD 6	
CHROMIUM	1/5/95	9.00e+0	uG/L	U	yes		POST-ROD 7	
CHROMIUM	4/10/95	8.00e+0	uG/L	U	yes		POST-ROD 8	
CHROMIUM	4/10/95	8.00e+0	uG/L	U	yes	X	POST-ROD 8	
CHROMIUM	7/11/95	9.00e+0	uG/L	EUJ	yes		POST-ROD 9	
CHROMIUM	10/9/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
CHROMIUM	1/15/96	2.11e+1	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	1.59e+2	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/21/93	1.00e+1	uG/L	U	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/19/93	1.00e+1	uG/L	U	yes		POST-ROD 2	
CHROMIUM HEXAVALENT	1/11/94	1.00e+1	uG/L	U	yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/5/94	1.00e+1	uG/L	U	yes		POST-ROD 4	
CHROMIUM HEXAVALENT	4/5/94	1.00e+1	uG/L	U	yes	X	POST-ROD 4	
CHROMIUM HEXAVALENT	7/12/94	1.00e+1	uG/L	U	yes		POST-ROD 5	
CHROMIUM HEXAVALENT	10/10/94	1.20e+1	uG/L		yes		POST-ROD 6	
CHROMIUM HEXAVALENT	1/5/95	1.00e+1	uG/L	U	yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/10/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
CHROMIUM HEXAVALENT	4/10/95	5.00e+0	uG/L	U	yes	X	POST-ROD 8	
CHROMIUM HEXAVALENT	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/9/95	5.00e+0	uG/L	U	yes		POST-ROD 10	
CHROMIUM HEXAVALENT	1/15/96	1.80e+1	uG/L		yes		POST-ROD 11	
COBALT	7/21/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/19/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	1/11/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/5/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	4/5/94	1.10e+1	uG/L	U	yes	X	POST-ROD 4	
COBALT	7/12/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	10/10/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	1/5/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/10/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COBALT	4/10/95	1.20e+1	uG/L	U	yes	X	POST-ROD 8	
COBALT	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/9/95	1.40e+1	uG/L	U	yes		POST-ROD 10	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
COBALT	1/15/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COPPER	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/10/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	4/10/95	1.20e+1	uG/L	U	yes	X	POST-ROD 8	
COPPER	7/11/95	7.00e+0	uG/L	U	yes		POST-ROD 9	
FLUORIDE	7/21/93	2.20e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/19/93	2.30e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/11/94	1.90e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/5/94	1.90e+2	uG/L		no	X	POST-ROD 4	
FLUORIDE	4/5/94	2.10e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/12/94	2.30e+2	uG/L		no		POST-ROD 5	
FLUORIDE	10/10/94	2.00e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/5/95	2.40e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/10/95	1.50e+2	uG/L		no		POST-ROD 8	
FLUORIDE	4/10/95	1.50e+2	uG/L		no	X	POST-ROD 8	
FLUORIDE	7/11/95	2.00e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/9/95	2.00e+2	uG/L		no		POST-ROD 10	
FLUORIDE	1/15/96	1.40e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/21/93		pCi/L	U			POST-ROD 1	
GAMMA ND	10/19/93		pCi/L	U			POST-ROD 2	
GAMMA ND	1/11/94		pCi/L	U			POST-ROD 3	
GAMMA ND	4/5/94		pCi/L	U			POST-ROD 4	
GAMMA ND	7/12/94		pCi/L	U			POST-ROD 5	
GAMMA ND	10/10/94		pCi/L	U			POST-ROD 6	
GAMMA ND	7/11/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/15/96		pCi/L	U			POST-ROD 11	
IRON	1/5/95	4.32e+1	uG/L	BU	yes		POST-ROD 7	
IRON	4/10/95	2.88e+1	uG/L	BU*	yes	X	POST-ROD 8	
IRON	4/10/95	8.33e+1	uG/L	BU*	yes		POST-ROD 8	
IRON	7/11/95	6.71e+1	uG/L	BU	yes		POST-ROD 9	
LEAD	7/21/93	1.80e+0	uG/L	B	yes		POST-ROD 1	
LEAD	10/19/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	1/11/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	4/5/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	4/5/94	1.00e+0	uG/L	U	yes	X	POST-ROD 4	
LEAD	7/12/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	10/10/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	1/5/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/10/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	4/10/95	2.80e+0	uG/L	U	yes	X	POST-ROD 8	
LEAD	7/11/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/9/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	1/15/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MAGNESIUM	1/5/95	3.03e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/10/95	3.29e+4	uG/L		yes	X	POST-ROD 8	
MAGNESIUM	4/10/95	3.34e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/11/95	3.99e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/21/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	10/19/93	3.00e+0	uG/L	U	yes		POST-ROD 2	

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MANGANESE	1/11/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	4/5/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
MANGANESE	4/5/94	3.00e+0	uG/L	U	yes	X	POST-ROD 4	
MANGANESE	7/12/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	1/5/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/10/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
MANGANESE	4/10/95	7.00e+0	uG/L	U	yes	X	POST-ROD 8	
MANGANESE	7/11/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/9/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
MANGANESE	1/15/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/5/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	4/10/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	4/10/95	1.00e-1	uG/L	U	yes	X	POST-ROD 8	
MERCURY	7/11/95	1.20e-1	uG/L	BU	yes		POST-ROD 9	
NICKEL	1/5/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	4/10/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	4/10/95	1.40e+1	uG/L	U	yes	X	POST-ROD 8	
NICKEL	7/11/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/5/95	3.75e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/10/95	4.56e+3	uG/L	BJ	yes	X	POST-ROD 8	
POTASSIUM	4/10/95	4.64e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/11/95	4.57e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/5/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/10/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	4/10/95	4.90e+0	uG/L	U	yes	X	POST-ROD 8	
SELENIUM	7/11/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/5/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/10/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	4/10/95	2.00e+0	uG/L	U	yes	X	POST-ROD 8	
SILVER	7/11/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/5/95	1.57e+4	uG/L		yes		POST-ROD 7	
SODIUM	4/10/95	1.39e+4	uG/L		yes	X	POST-ROD 8	
SODIUM	4/10/95	1.43e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/11/95	1.72e+4	uG/L		yes		POST-ROD 9	
SR-90	7/21/93	1.00e-1	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/19/93	1.00e-1	pCi/mL		no		POST-ROD 2	0.00e+0
SR-90	1/11/94	1.70e-1	pCi/mL	J	no		POST-ROD 3	0.00e+0
SR-90	4/5/94	1.00e-1	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	4/5/94	1.10e-1	pCi/mL		no	X	POST-ROD 4	0.00e+0
SR-90	7/12/94	8.00e-2	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	10/10/94	1.00e-1	pCi/mL		no		POST-ROD 6	0.00e+0
SR-90	1/5/95	1.10e-1	pCi/mL		no		POST-ROD 7	0.00e+0
SR-90	4/10/95	1.10e-1	pCi/mL		no		POST-ROD 8	0.00e+0
SR-90	4/10/95	1.20e-1	pCi/mL		no	X	POST-ROD 8	0.00e+0
SR-90	7/11/95	1.20e-1	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/9/95	1.10e-1	pCi/mL		no		POST-ROD 10	0.00e+0

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SR-90	1/15/96	1.00e-1	pCi/mL		no		POST-ROD 11	0.00e+0
SR-90	4/11/96	9.00e-2	pCi/mL	J	yes		POST-ROD 12	0.00e+0
THALLIUM	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/10/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	4/10/95	7.00e+0	uG/L	U	yes	X	POST-ROD 8	
THALLIUM	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THU-234	10/9/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	7/21/93	6.60e+0	pCi/mL		no		POST-ROD 1	2.50e-1
TRITIUM	10/19/93	5.10e+0	pCi/mL		no		POST-ROD 2	2.50e-1
TRITIUM	1/11/94	8.10e+0	pCi/mL		no		POST-ROD 3	3.00e-1
TRITIUM	4/5/94	2.90e+0	pCi/mL		no	X	POST-ROD 4	2.00e-1
TRITIUM	4/5/94	3.20e+0	pCi/mL		no		POST-ROD 4	2.00e-1
TRITIUM	7/12/94	2.87e+0	pCi/mL		no		POST-ROD 5	1.70e-1
TRITIUM	10/10/94	5.23e+0	pCi/mL		no		POST-ROD 6	2.00e-1
TRITIUM	1/5/95	4.74e+0	pCi/mL		no		POST-ROD 7	2.00e-1
TRITIUM	4/10/95	2.25e+0	pCi/mL		no		POST-ROD 8	1.60e-1
TRITIUM	4/10/95	2.44e+0	pCi/mL		no	X	POST-ROD 8	1.70e-1
TRITIUM	7/11/95	3.00e+0	pCi/mL		no		POST-ROD 9	2.00e-1
TRITIUM	10/9/95	9.00e-1	pCi/mL	U	no		POST-ROD 10	1.10e+0
TRITIUM	1/15/96	4.80e-1	pCi/mL		no		POST-ROD 11	1.60e-1
TRITIUM	4/11/96	9.92e+0	pCi/mL		yes		POST-ROD 12	3.00e-1
U-235	10/9/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/9/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
VANADIUM	1/5/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/10/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	4/10/95	1.50e+1	uG/L	U	yes	X	POST-ROD 8	
VANADIUM	7/11/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/10/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	4/10/95	5.00e+0	uG/L	U	yes	X	POST-ROD 8	
ZINC	7/11/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/5/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/7/95	4.83e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/10/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/22/93	3.10e-1	pCi/L		no		POST-ROD 1	1.40e-1
AM-241	10/20/93	6.00e-2	pCi/L	U	no		POST-ROD 2	5.00e-2
AM-241	1/12/94	9.70e-1	pCi/L		no		POST-ROD 3	2.60e-1
AM-241	4/4/94	2.70e-1	pCi/L	U	no		POST-ROD 4	1.40e-1
AM-241	7/11/94	0.00e+0	pCi/L	U	no		POST-ROD 5	7.00e-2
AM-241	10/10/94	0.00e+0	pCi/L	U	no		POST-ROD 6	1.00e-1
AM-241	1/5/95	0.00e+0	pCi/L	U	no		POST-ROD 7	3.00e-2
AM-241	4/7/95	1.40e-1	pCi/L	UJ	no		POST-ROD 8	4.00e-2
AM-241	7/10/95	1.60e-1	pCi/L		no		POST-ROD 9	7.00e-2
AM-241	1/15/96	2.60e-1	pCi/L		no		POST-ROD 11	1.00e-1

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
AMPU-238	10/5/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
ANTIMONY	1/5/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	4/7/95	3.00e+0	uG/L	U	yes		POST-ROD 8	
ANTIMONY	7/10/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/22/93	7.20e+0	uG/L	BNU	yes		POST-ROD 1	
ARSENIC	10/20/93	6.00e+0	uG/L	B	yes		POST-ROD 2	
ARSENIC	1/12/94	5.90e+0	uG/L	BWJ	yes		POST-ROD 3	
ARSENIC	4/4/94	4.80e+0	uG/L	B	yes		POST-ROD 4	
ARSENIC	7/11/94	6.50e+0	uG/L	BJ	yes		POST-ROD 5	
ARSENIC	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
ARSENIC	1/5/95	1.17e+1	uG/L		yes		POST-ROD 7	
ARSENIC	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
ARSENIC	7/10/95	6.20e+0	uG/L	B	yes		POST-ROD 9	
ARSENIC	10/5/95	4.60e+0	uG/L	U	yes		POST-ROD 10	
ARSENIC	1/15/96	5.90e+0	uG/L	B	yes		POST-ROD 11	
BARIUM	1/5/95	9.00e+1	uG/L	B	yes		POST-ROD 7	
BARIUM	4/7/95	8.76e+1	uG/L	B	yes		POST-ROD 8	
BARIUM	7/10/95	8.58e+1	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/22/93	5.00e+0	uG/L		yes		POST-ROD 1	
BERYLLIUM	10/20/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	1/12/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/4/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
BERYLLIUM	7/11/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	10/10/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	1/5/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	1/15/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/22/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/20/93	1.04e+1	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	1/12/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/4/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	7/11/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	10/10/94	4.00e-1	uG/L	U	yes		POST-ROD 6	
CADMIUM	1/5/95	1.00e+1	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
CADMIUM	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/5/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	1/15/96	7.00e+0	uG/L		yes		POST-ROD 11	
CALCIUM	1/5/95	7.38e+4	uG/L		yes		POST-ROD 7	
CALCIUM	4/7/95	8.19e+4	uG/L		yes		POST-ROD 8	
CALCIUM	7/10/95	7.27e+4	uG/L		yes		POST-ROD 9	
CHROMIUM	7/22/93	2.32e+1	uG/L		yes		POST-ROD 1	
CHROMIUM	10/20/93	2.49e+1	uG/L		yes		POST-ROD 2	
CHROMIUM	1/12/94	7.20e+1	uG/L		yes		POST-ROD 3	
CHROMIUM	4/4/94	5.31e+1	uG/L		yes		POST-ROD 4	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	7/11/94	6.44e+1	uG/L		yes		POST-ROD 5	
CHROMIUM	10/10/94	8.22e+1	uG/L		yes		POST-ROD 6	
CHROMIUM	1/5/95	6.30e+1	uG/L		yes		POST-ROD 7	
CHROMIUM	4/7/95	3.95e+1	uG/L		yes		POST-ROD 8	
CHROMIUM	7/10/95	3.84e+1	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	10/5/95	5.36e+1	uG/L		yes		POST-ROD 10	
CHROMIUM	1/15/96	4.70e+1	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	4.45e+1	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/22/93	2.40e+1	uG/L		yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/20/93	2.74e+1	uG/L		yes		POST-ROD 2	
CHROMIUM HEXAVALENT	1/12/94	6.50e+1	uG/L		yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/4/94	5.52e+1	uG/L		yes		POST-ROD 4	
CHROMIUM HEXAVALENT	7/11/94	6.51e+1	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	10/11/94	8.35e+1	uG/L		yes		POST-ROD 6	
CHROMIUM HEXAVALENT	1/5/95	6.07e+1	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/7/95	4.30e+1	uG/L		yes		POST-ROD 8	
CHROMIUM HEXAVALENT	7/10/95	4.90e+1	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/5/95	5.80e+1	uG/L		yes		POST-ROD 10	
CHROMIUM HEXAVALENT	1/15/96	4.50e+1	uG/L		yes		POST-ROD 11	
COBALT	7/22/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/20/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	1/12/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/4/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	7/11/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	10/10/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	1/5/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COBALT	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/5/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COBALT	1/15/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COPPER	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	7/10/95	7.70e+0	uG/L	BU	yes		POST-ROD 9	
FLUORIDE	7/22/93	2.10e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/20/93	1.90e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/12/94	2.10e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/4/94	2.00e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/11/94	2.20e+2	uG/L		no		POST-ROD 5	
FLUORIDE	10/10/94	2.10e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/5/95	2.10e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/7/95	1.60e+2	uG/L		no		POST-ROD 8	
FLUORIDE	7/10/95	2.20e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/5/95	2.00e+2	uG/L		no		POST-ROD 10	
FLUORIDE	1/15/96	1.70e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/22/93		pCi/L	U			POST-ROD 1	
GAMMA ND	10/20/93		pCi/L	U			POST-ROD 2	
GAMMA ND	1/12/94		pCi/L	U			POST-ROD 3	
GAMMA ND	4/4/94		pCi/L	U			POST-ROD 4	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
GAMMA ND	7/11/94		pCi/L	U			POST-ROD 5	
GAMMA ND	10/10/94		pCi/L	U			POST-ROD 6	
GAMMA ND	7/10/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/15/96		pCi/L	U			POST-ROD 11	
IRON	1/5/95	3.60e+1	uG/L	BU	yes		POST-ROD 7	
IRON	4/7/95	1.02e+2	uG/L	U*	yes		POST-ROD 8	
IRON	7/10/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
LEAD	7/22/93	1.40e+0	uG/L	B	yes		POST-ROD 1	
LEAD	10/20/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	1/12/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	4/4/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	7/11/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	10/10/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	1/5/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/7/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	7/10/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	1/15/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MAGNESIUM	1/5/95	1.76e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/7/95	1.79e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/10/95	1.77e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/22/93	6.70e+0	uG/L	B	yes		POST-ROD 1	
MANGANESE	10/20/93	3.00e+0	uG/L	U	yes		POST-ROD 2	
MANGANESE	1/12/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	4/4/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
MANGANESE	7/11/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	1/5/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
MANGANESE	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/5/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
MANGANESE	1/15/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/5/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	4/7/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	7/10/95	1.20e-1	uG/L	BU	yes		POST-ROD 9	
NICKEL	1/5/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	4/7/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	7/10/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/5/95	3.48e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/7/95	4.33e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/10/95	3.93e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/5/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/7/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	7/10/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/5/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/7/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/5/95	2.48e+4	uG/L		yes		POST-ROD 7	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
SODIUM	4/7/95	1.98e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/10/95	2.18e+4	uG/L		yes		POST-ROD 9	
SR-90	7/22/93	1.00e-2	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/20/93	1.00e-2	pCi/mL		no		POST-ROD 2	0.00e+0
SR-90	1/12/94	1.00e-2	pCi/mL	J	no		POST-ROD 3	0.00e+0
SR-90	4/4/94	1.00e-2	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	7/11/94	1.00e-2	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	10/10/94	1.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
SR-90	1/5/95	1.00e-2	pCi/mL		no		POST-ROD 7	0.00e+0
SR-90	4/7/95	1.00e-2	pCi/mL	J	no		POST-ROD 8	0.00e+0
SR-90	7/10/95	1.00e-2	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/5/95	1.00e-2	pCi/mL		no		POST-ROD 10	0.00e+0
SR-90	1/15/96	1.00e-2	pCi/mL		no		POST-ROD 11	0.00e+0
SR-90	4/11/96	1.00e-2	pCi/mL	J	yes		POST-ROD 12	0.00e+0
THALLIUM	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THU-234	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	7/22/93	1.10e+1	pCi/mL		no		POST-ROD 1	3.00e-1
TRITIUM	10/20/93	4.00e+0	pCi/mL		no		POST-ROD 2	2.00e-1
TRITIUM	1/12/94	2.60e+0	pCi/mL		no		POST-ROD 3	2.00e-1
TRITIUM	4/4/94	1.80e+0	pCi/mL		no		POST-ROD 4	2.00e-1
TRITIUM	7/11/94	1.25e+0	pCi/mL		no		POST-ROD 5	1.30e-1
TRITIUM	10/10/94	1.15e+0	pCi/mL		no		POST-ROD 6	1.30e-1
TRITIUM	1/5/95	1.73e+0	pCi/mL		no		POST-ROD 7	1.50e-1
TRITIUM	4/7/95	1.22e+0	pCi/mL		no		POST-ROD 8	1.40e-1
TRITIUM	7/10/95	1.65e+0	pCi/mL		no		POST-ROD 9	1.70e-1
TRITIUM	10/5/95	1.70e+0	pCi/mL	U	no		POST-ROD 10	1.30e+0
TRITIUM	1/15/96	2.90e+0	pCi/mL		no		POST-ROD 11	2.00e-1
TRITIUM	4/11/96	3.20e+0	pCi/mL		yes		POST-ROD 12	2.10e-1
U-235	10/5/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
VANADIUM	1/5/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/7/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	7/10/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/7/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/5/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	4/7/95	3.45e+1	uG/L	BU	yes		POST-ROD 8	
ALUMINUM	7/10/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/27/93	1.00e-1	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	10/20/93	1.00e-1	pCi/L	U	no		POST-ROD 2	1.00e-1
AM-241	1/12/94	0.00e+0	pCi/L	U	no		POST-ROD 3	7.00e-2

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
AM-241	4/4/94	4.00e-1	pCi/L		no		POST-ROD 4	1.70e-1
AM-241	7/11/94	1.00e+0	pCi/L		no		POST-ROD 5	2.00e-1
AM-241	10/10/94	0.00e+0	pCi/L	U	no		POST-ROD 6	1.10e-1
AM-241	1/5/95	0.00e+0	pCi/L	U	no		POST-ROD 7	3.00e-2
AM-241	4/7/95	1.00e-2	pCi/L	U	no		POST-ROD 8	3.00e-2
AM-241	7/10/95	1.00e-2	pCi/L	U	no		POST-ROD 9	5.00e-2
AM-241	1/15/96	2.00e-2	pCi/L	U	no		POST-ROD 11	7.00e-2
ANTIMONY	1/5/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	4/7/95	3.00e+0	uG/L	U	yes		POST-ROD 8	
ANTIMONY	7/10/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/27/93	5.10e+0	uG/L	BNU	yes		POST-ROD 1	
ARSENIC	10/20/93	3.10e+0	uG/L	B	yes		POST-ROD 2	
ARSENIC	1/12/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	4/4/94	3.00e+0	uG/L	UW	yes		POST-ROD 4	
ARSENIC	7/11/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
ARSENIC	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
ARSENIC	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	10/5/95	2.00e+0	uG/L	UJ	yes		POST-ROD 10	
ARSENIC	1/15/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BARIUM	1/5/95	2.38e+1	uG/L	B	yes		POST-ROD 7	
BARIUM	4/7/95	2.51e+1	uG/L	B	yes		POST-ROD 8	
BARIUM	7/10/95	2.70e+1	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	10/20/93	4.00e+0	uG/L	U	yes		POST-ROD 2	
BERYLLIUM	1/12/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	4/4/94	5.90e+0	uG/L	U	yes		POST-ROD 4	
BERYLLIUM	7/11/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	10/10/94	2.00e-1	uG/L	UJ	yes		POST-ROD 6	
BERYLLIUM	1/5/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
BERYLLIUM	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
BERYLLIUM	1/15/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/27/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	10/20/93	5.00e+0	uG/L	*UJ	yes		POST-ROD 2	
CADMIUM	1/12/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	4/4/94	2.00e+0	uG/L	U	yes		POST-ROD 4	
CADMIUM	7/11/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	10/10/94	4.00e-1	uG/L	U	yes		POST-ROD 6	
CADMIUM	1/5/95	2.00e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	4/7/95	4.00e+0	uG/L	U	yes		POST-ROD 8	
CADMIUM	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	10/5/95	2.00e+0	uG/L	U	yes		POST-ROD 10	
CADMIUM	1/15/96	4.00e+0	uG/L	B	yes		POST-ROD 11	
CALCIUM	1/5/95	1.44e+5	uG/L		yes		POST-ROD 7	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CALCIUM	4/7/95	1.56e+5	uG/L		yes		POST-ROD 8	
CALCIUM	7/10/95	1.33e+5	uG/L		yes		POST-ROD 9	
CHROMIUM	7/27/93	2.45e+2	uG/L		yes		POST-ROD 1	
CHROMIUM	10/20/93	1.36e+2	uG/L		yes		POST-ROD 2	
CHROMIUM	1/12/94	7.30e+1	uG/L		yes		POST-ROD 3	
CHROMIUM	4/4/94	1.09e+2	uG/L		yes		POST-ROD 4	
CHROMIUM	7/11/94	1.30e+2	uG/L		yes		POST-ROD 5	
CHROMIUM	10/10/94	5.95e+1	uG/L		yes		POST-ROD 6	
CHROMIUM	1/5/95	8.30e+1	uG/L		yes		POST-ROD 7	
CHROMIUM	4/7/95	6.69e+1	uG/L		yes		POST-ROD 8	
CHROMIUM	7/10/95	6.23e+1	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	10/5/95	1.12e+2	uG/L		yes		POST-ROD 10	
CHROMIUM	1/15/96	1.96e+2	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	1.52e+2	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/27/93	2.44e+2	uG/L	J	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	10/20/93	1.36e+2	uG/L		yes		POST-ROD 2	
CHROMIUM HEXAVALENT	1/12/94	6.90e+1	uG/L		yes		POST-ROD 3	
CHROMIUM HEXAVALENT	4/4/94	1.14e+2	uG/L		yes		POST-ROD 4	
CHROMIUM HEXAVALENT	7/11/94	1.35e+2	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	10/10/94	6.02e+1	uG/L		yes		POST-ROD 6	
CHROMIUM HEXAVALENT	1/5/95	8.66e+1	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	4/7/95	8.00e+1	uG/L		yes		POST-ROD 8	
CHROMIUM HEXAVALENT	7/10/95	9.40e+1	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	10/5/95	1.00e+2	uG/L		yes		POST-ROD 10	
CHROMIUM HEXAVALENT	1/15/96	1.90e+2	uG/L		yes		POST-ROD 11	
CO-60	7/27/93	2.40e-1	pCi/mL		no		POST-ROD 1	2.00e-2
CO-60	10/20/93	1.01e+0	pCi/mL		no		POST-ROD 2	7.00e-2
CO-60	1/12/94	4.00e-2	pCi/mL		no		POST-ROD 3	1.00e-2
CO-60	4/4/94	1.00e-1	pCi/mL		no		POST-ROD 4	1.00e-2
CO-60	7/11/94	2.70e-1	pCi/mL		no		POST-ROD 5	2.00e-2
CO-60	10/10/94	5.00e-2	pCi/mL		no		POST-ROD 6	1.00e-2
CO-60	1/5/95	7.00e-2	pCi/mL		no		POST-ROD 7	1.00e-2
CO-60	4/7/95	7.00e-2	pCi/mL		no		POST-ROD 8	1.00e-2
CO-60	7/10/95	5.00e-2	pCi/mL		no		POST-ROD 9	1.00e-2
CO-60	10/5/95	5.00e-2	pCi/mL		no		POST-ROD 10	1.00e-2
CO-60	4/11/96	8.00e-2	pCi/mL		yes		POST-ROD 12	1.00e-2
COBALT	7/27/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	10/20/93	7.00e+0	uG/L	UN	yes		POST-ROD 2	
COBALT	1/12/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	4/4/94	1.10e+1	uG/L	U	yes		POST-ROD 4	
COBALT	7/11/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	10/10/94	1.00e+0	uG/L	UJ	yes		POST-ROD 6	
COBALT	1/5/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COBALT	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	10/5/95	1.40e+1	uG/L	U	yes		POST-ROD 10	
COBALT	1/15/96	9.00e+0	uG/L	U	yes		POST-ROD 11	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
COPPER	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	4/7/95	1.20e+1	uG/L	U	yes		POST-ROD 8	
COPPER	7/10/95	8.30e+0	uG/L	BU	yes		POST-ROD 9	
FLUORIDE	7/27/93	1.20e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	10/20/93	1.60e+2	uG/L		no		POST-ROD 2	
FLUORIDE	1/12/94	1.10e+2	uG/L		no		POST-ROD 3	
FLUORIDE	4/4/94	1.40e+2	uG/L		no		POST-ROD 4	
FLUORIDE	7/11/94	1.60e+2	uG/L		no		POST-ROD 5	
FLUORIDE	10/10/94	1.20e+2	uG/L		no		POST-ROD 6	
FLUORIDE	1/5/95	1.70e+2	uG/L		no		POST-ROD 7	
FLUORIDE	4/7/95	1.50e+2	uG/L		no		POST-ROD 8	
FLUORIDE	7/10/95	1.80e+2	uG/L		no		POST-ROD 9	
FLUORIDE	10/5/95	1.60e+2	uG/L		no		POST-ROD 10	
FLUORIDE	1/15/96	1.20e+2	uG/L		no		POST-ROD 11	
GAMMA ND	1/15/96		pCi/L	U			POST-ROD 11	
IRON	1/5/95	8.58e+1	uG/L	BU	yes		POST-ROD 7	
IRON	4/7/95	2.60e+1	uG/L	U*	yes		POST-ROD 8	
IRON	7/10/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
LEAD	7/27/93	4.80e+0	uG/L	W	yes		POST-ROD 1	
LEAD	10/20/93	1.00e+0	uG/L	UNW	yes		POST-ROD 2	
LEAD	1/12/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	4/4/94	1.00e+0	uG/L	U	yes		POST-ROD 4	
LEAD	7/11/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	
LEAD	10/10/94	1.70e+0	uG/L	UJ	yes		POST-ROD 6	
LEAD	1/5/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	4/7/95	2.80e+0	uG/L	U	yes		POST-ROD 8	
LEAD	7/10/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	10/5/95	1.00e+0	uG/L	U	yes		POST-ROD 10	
LEAD	1/15/96	2.00e+0	uG/L	U	yes		POST-ROD 11	
MAGNESIUM	1/5/95	3.32e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	4/7/95	3.13e+4	uG/L		yes		POST-ROD 8	
MAGNESIUM	7/10/95	3.06e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/27/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	10/20/93	3.00e+0	uG/L	U	yes		POST-ROD 2	
MANGANESE	1/12/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	4/4/94	3.00e+0	uG/L	U	yes		POST-ROD 4	
MANGANESE	7/11/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	10/10/94	4.00e+0	uG/L	UJ	yes		POST-ROD 6	
MANGANESE	1/5/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
MANGANESE	7/10/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	10/5/95	4.00e+0	uG/L	U	yes		POST-ROD 10	
MANGANESE	1/15/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/5/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	4/7/95	1.00e-1	uG/L	U	yes		POST-ROD 8	
MERCURY	7/10/95	1.20e-1	uG/L	BU	yes		POST-ROD 9	
NICKEL	1/5/95	1.70e+1	uG/L	U	yes		POST-ROD 7	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
NICKEL	4/7/95	1.40e+1	uG/L	U	yes		POST-ROD 8	
NICKEL	7/10/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/5/95	3.40e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	4/7/95	4.17e+3	uG/L	BJ	yes		POST-ROD 8	
POTASSIUM	7/10/95	3.98e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/5/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	4/7/95	4.90e+0	uG/L	U	yes		POST-ROD 8	
SELENIUM	7/10/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/5/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	4/7/95	2.00e+0	uG/L	U	yes		POST-ROD 8	
SILVER	7/10/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/5/95	7.67e+4	uG/L		yes		POST-ROD 7	
SODIUM	4/7/95	5.58e+4	uG/L		yes		POST-ROD 8	
SODIUM	7/10/95	5.93e+4	uG/L		yes		POST-ROD 9	
SR-90	7/27/93	1.80e-1	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	10/20/93	7.00e-2	pCi/mL		no		POST-ROD 2	0.00e+0
SR-90	1/12/94	9.00e-2	pCi/mL	J	no		POST-ROD 3	0.00e+0
SR-90	4/4/94	7.00e-2	pCi/mL		no		POST-ROD 4	0.00e+0
SR-90	7/11/94	5.00e-2	pCi/mL		no		POST-ROD 5	0.00e+0
SR-90	10/10/94	8.00e-2	pCi/mL		no		POST-ROD 6	0.00e+0
SR-90	1/5/95	6.00e-2	pCi/mL		no		POST-ROD 7	0.00e+0
SR-90	4/7/95	5.00e-2	pCi/mL		no		POST-ROD 8	0.00e+0
SR-90	7/10/95	4.00e-2	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	10/5/95	5.00e-2	pCi/mL		no		POST-ROD 10	0.00e+0
SR-90	1/15/96	2.00e-2	pCi/mL		no		POST-ROD 11	0.00e+0
SR-90	4/11/96	3.00e-2	pCi/mL	J	yes		POST-ROD 12	0.00e+0
THALLIUM	1/5/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	4/7/95	7.00e+0	uG/L	U	yes		POST-ROD 8	
THALLIUM	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
THU-234	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
TRITIUM	7/27/93	2.37e+2	pCi/mL		no		POST-ROD 1	1.20e+0
TRITIUM	10/20/93	7.46e+2	pCi/mL		no		POST-ROD 2	2.00e+0
TRITIUM	1/12/94	8.72e+1	pCi/mL		no		POST-ROD 3	5.00e-1
TRITIUM	4/4/94	5.00e+2	pCi/mL		no		POST-ROD 4	2.00e+0
TRITIUM	7/11/94	4.63e+2	pCi/mL		no		POST-ROD 5	2.00e+0
TRITIUM	10/10/94	6.94e+1	pCi/mL		no		POST-ROD 6	6.00e-1
TRITIUM	1/5/95	5.34e+2	pCi/mL		no		POST-ROD 7	2.00e+0
TRITIUM	4/7/95	6.37e+2	pCi/mL		no		POST-ROD 8	2.00e+0
TRITIUM	7/10/95	4.73e+2	pCi/mL		no		POST-ROD 9	2.00e+0
TRITIUM	10/5/95	3.20e+2	pCi/mL		no		POST-ROD 10	5.00e+1
TRITIUM	1/15/96	1.08e+2	pCi/mL		no		POST-ROD 11	1.00e+0
TRITIUM	4/11/96	2.75e+2	pCi/mL		yes		POST-ROD 12	1.00e+0
U-235	10/5/95	0.00e+0	pCi/mL	U	no		POST-ROD 10	0.00e+0
U-238	10/5/95	0.00e+0	pCi/mL		no		POST-ROD 10	0.00e+0
VANADIUM	1/5/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	4/7/95	1.50e+1	uG/L	U	yes		POST-ROD 8	
VANADIUM	7/10/95	2.10e+1	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ZINC	1/5/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
ZINC	4/7/95	5.00e+0	uG/L	U	yes		POST-ROD 8	
ZINC	7/10/95	3.00e+0	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/9/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	7/13/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/26/93	0.00e+0	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	1/11/94	0.00e+0	pCi/L	U	no		POST-ROD 3	9.00e-2
AM-241	7/13/94	5.00e-2	pCi/L	U	no		POST-ROD 5	8.00e-2
AM-241	1/9/95	0.00e+0	pCi/L	U	no		POST-ROD 7	3.00e-2
AM-241	7/13/95	2.30e-1	pCi/L		no		POST-ROD 9	8.00e-2
AM-241	1/23/96	8.00e-2	pCi/L	U	no		POST-ROD 11	8.00e-2
ANTIMONY	1/9/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	7/13/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/26/93	2.60e+0	uG/L	BNU	yes		POST-ROD 1	
ARSENIC	7/26/93	8.10e+0	uG/L	BWNU	no		POST-ROD 1	
ARSENIC	1/11/94	2.00e+0	uG/L	UW	no		POST-ROD 3	
ARSENIC	1/11/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	7/13/94	6.00e+0	uG/L	UJ	no		POST-ROD 5	
ARSENIC	7/13/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	1/23/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BARIUM	1/9/95	7.51e+1	uG/L	B	yes		POST-ROD 7	
BARIUM	7/13/95	7.18e+1	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/26/93	5.00e+0	uG/L	U	no		POST-ROD 1	
BERYLLIUM	7/26/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	1/11/94	4.00e+0	uG/L	U	no		POST-ROD 3	
BERYLLIUM	1/11/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	7/13/94	7.00e-1	uG/L	U	no		POST-ROD 5	
BERYLLIUM	7/13/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	1/9/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	7/13/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	1/23/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/26/93	5.00e+0	uG/L	U	no		POST-ROD 1	
CADMIUM	7/26/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	1/11/94	2.00e+0	uG/L	U	no		POST-ROD 3	
CADMIUM	1/11/94	2.00e+0	uG/L	U	yes		POST-ROD 3	
CADMIUM	7/13/94	8.00e-1	uG/L	U	no		POST-ROD 5	
CADMIUM	7/13/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	1/9/95	3.50e+0	uG/L	B*UJ	yes		POST-ROD 7	
CADMIUM	7/13/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	1/23/96	7.00e+0	uG/L		yes		POST-ROD 11	
CALCIUM	1/9/95	5.56e+4	uG/L		yes		POST-ROD 7	
CALCIUM	7/13/95	5.62e+4	uG/L		yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
CHROMIUM	7/26/93	9.00e+0	uG/L	B	no		POST-ROD 1	
CHROMIUM	7/26/93	1.20e+1	uG/L		yes		POST-ROD 1	
CHROMIUM	1/11/94	1.50e+1	uG/L	U	no		POST-ROD 3	
CHROMIUM	1/11/94	1.60e+1	uG/L	U	yes		POST-ROD 3	
CHROMIUM	7/13/94	6.20e+0	uG/L	BJ	no		POST-ROD 5	
CHROMIUM	7/13/94	6.40e+0	uG/L	BJ	yes		POST-ROD 5	
CHROMIUM	1/9/95	9.00e+0	uG/L	U	yes		POST-ROD 7	
CHROMIUM	7/13/95	9.00e+0	uG/L	EUJ	yes		POST-ROD 9	
CHROMIUM	1/23/96	1.97e+1	uG/L		yes		POST-ROD 11	
CHROMIUM	4/12/96	1.43e+1	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/26/93	1.10e+1	uG/L		yes		POST-ROD 1	
CHROMIUM HEXAVALENT	7/26/93	1.20e+1	uG/L		no		POST-ROD 1	
CHROMIUM HEXAVALENT	1/11/94	1.00e+1	uG/L	U	no		POST-ROD 3	
CHROMIUM HEXAVALENT	1/11/94	1.00e+1	uG/L	U	yes		POST-ROD 3	
CHROMIUM HEXAVALENT	7/13/94	1.00e+1	uG/L	U	yes		POST-ROD 5	
CHROMIUM HEXAVALENT	1/9/95	1.29e+1	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	7/13/95	1.00e+1	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	1/23/96	1.60e+1	uG/L		yes		POST-ROD 11	
COBALT	7/26/93	1.70e+1	uG/L	U	no		POST-ROD 1	
COBALT	7/26/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	1/11/94	1.20e+1	uG/L	U	no		POST-ROD 3	
COBALT	1/11/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	7/13/94	3.00e+0	uG/L	U	no		POST-ROD 5	
COBALT	7/13/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	1/9/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	1/23/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COPPER	1/9/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	7/13/95	7.00e+0	uG/L	U	yes		POST-ROD 9	
FLUORIDE	7/26/93	1.30e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	1/11/94	1.30e+2	uG/L		no		POST-ROD 3	
FLUORIDE	7/13/94	1.40e+2	uG/L		no		POST-ROD 5	
FLUORIDE	1/9/95	1.40e+2	uG/L		no		POST-ROD 7	
FLUORIDE	7/13/95	1.50e+2	uG/L		no		POST-ROD 9	
FLUORIDE	1/23/96	1.30e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/26/93		pCi/L	U			POST-ROD 1	
GAMMA ND	1/11/94		pCi/L	U			POST-ROD 3	
GAMMA ND	7/13/94		pCi/L	U			POST-ROD 5	
GAMMA ND	7/13/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/23/96		pCi/L	U			POST-ROD 11	
IRON	1/9/95	1.16e+2	uG/L	U	yes		POST-ROD 7	
IRON	7/13/95	5.23e+1	uG/L	BU	yes		POST-ROD 9	
LEAD	7/26/93	1.50e+0	uG/L	B	yes		POST-ROD 1	
LEAD	7/26/93	5.60e+0	uG/L		no		POST-ROD 1	
LEAD	1/11/94	1.00e+0	uG/L	UW	no		POST-ROD 3	
LEAD	1/11/94	1.00e+0	uG/L	UW	yes		POST-ROD 3	
LEAD	7/13/94	3.00e+0	uG/L	NUJ	no		POST-ROD 5	
LEAD	7/13/94	3.00e+0	uG/L	NUJ	yes		POST-ROD 5	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
LEAD	1/9/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	7/13/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	1/23/96	2.60e+0	uG/L	B	yes		POST-ROD 11	
MAGNESIUM	1/9/95	1.86e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	7/13/95	1.88e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/26/93	4.00e+0	uG/L	U	no		POST-ROD 1	
MANGANESE	7/26/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	1/11/94	3.00e+0	uG/L	U	no		POST-ROD 3	
MANGANESE	1/11/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	7/13/94	1.00e+0	uG/L	U	no		POST-ROD 5	
MANGANESE	7/13/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	1/9/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	7/13/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	1/23/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/9/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	7/13/95	1.00e-1	uG/L	U	yes		POST-ROD 9	
NICKEL	1/9/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	7/13/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/9/95	1.74e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	7/13/95	1.80e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/9/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	7/13/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/9/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	7/13/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/9/95	1.07e+4	uG/L		yes		POST-ROD 7	
SODIUM	7/13/95	9.78e+3	uG/L		yes		POST-ROD 9	
SR-90	7/26/93	0.00e+0	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	1/11/94	0.00e+0	pCi/mL	UJ	no		POST-ROD 3	0.00e+0
SR-90	7/13/94	0.00e+0	pCi/mL	U	no		POST-ROD 5	0.00e+0
SR-90	1/9/95	0.00e+0	pCi/mL	U	no		POST-ROD 7	0.00e+0
SR-90	7/13/95	0.00e+0	pCi/mL	U	no		POST-ROD 9	0.00e+0
SR-90	1/23/96	0.00e+0	pCi/mL	U	no		POST-ROD 11	0.00e+0
SR-90	4/12/96	0.00e+0	pCi/mL	UJ	yes		POST-ROD 12	0.00e+0
THALLIUM	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
THALLIUM	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
TRITIUM	7/26/93	4.20e+0	pCi/mL		no		POST-ROD 1	2.00e-1
TRITIUM	1/11/94	4.60e+0	pCi/mL		no		POST-ROD 3	2.00e-1
TRITIUM	7/13/94	4.46e+0	pCi/mL		no		POST-ROD 5	1.90e-1
TRITIUM	1/9/95	5.59e+0	pCi/mL		no		POST-ROD 7	2.20e-1
TRITIUM	7/13/95	4.08e+0	pCi/mL		no		POST-ROD 9	2.10e-1
TRITIUM	1/23/96	4.30e+0	pCi/mL		no		POST-ROD 11	2.00e-1
TRITIUM	4/12/96	4.93e+0	pCi/mL		yes		POST-ROD 12	2.40e-1
VANADIUM	1/9/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	7/13/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/9/95	5.94e+1	uG/L		yes		POST-ROD 7	
ZINC	7/13/95	3.07e+1	uG/L	U	yes		POST-ROD 9	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
ALUMINUM	1/9/95	3.10e+1	uG/L	UJ	yes		POST-ROD 7	
ALUMINUM	7/13/95	5.00e+1	uG/L	U	yes		POST-ROD 9	
AM-241	7/26/93	0.00e+0	pCi/L	U	no		POST-ROD 1	1.00e-1
AM-241	1/10/94	1.30e-1	pCi/L	U	no		POST-ROD 3	1.30e-1
AM-241	1/10/94	3.20e-1	pCi/L	U	no	X	POST-ROD 3	1.70e-1
AM-241	7/13/94	0.00e+0	pCi/L	U	no		POST-ROD 5	8.00e-2
AM-241	1/9/95	0.00e+0	pCi/L	U	no		POST-ROD 7	3.00e-2
AM-241	7/13/95	3.00e-2	pCi/L	U	no		POST-ROD 9	6.00e-2
AM-241	1/22/96	6.00e-2	pCi/L	U	no		POST-ROD 11	6.00e-2
ANTIMONY	1/9/95	3.00e+0	uG/L	UJ	yes		POST-ROD 7	
ANTIMONY	7/13/95	6.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	7/26/93	2.00e+0	uG/L	UWN	no		POST-ROD 1	
ARSENIC	7/26/93	4.50e+0	uG/L	BWNU	yes		POST-ROD 1	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	no		POST-ROD 3	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	no	X	POST-ROD 3	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	yes		POST-ROD 3	
ARSENIC	1/10/94	2.00e+0	uG/L	UW	yes	X	POST-ROD 3	
ARSENIC	7/13/94	6.00e+0	uG/L	UJ	no		POST-ROD 5	
ARSENIC	7/13/94	6.00e+0	uG/L	UJ	yes		POST-ROD 5	
ARSENIC	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	
ARSENIC	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
ARSENIC	1/22/96	3.00e+0	uG/L	U	yes		POST-ROD 11	
BARIUM	1/9/95	5.61e+1	uG/L	B	yes		POST-ROD 7	
BARIUM	7/13/95	5.19e+1	uG/L	B	yes		POST-ROD 9	
BERYLLIUM	7/26/93	5.00e+0	uG/L	U	no		POST-ROD 1	
BERYLLIUM	7/26/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	no		POST-ROD 3	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	no	X	POST-ROD 3	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	yes		POST-ROD 3	
BERYLLIUM	1/10/94	4.00e+0	uG/L	U	yes	X	POST-ROD 3	
BERYLLIUM	7/13/94	7.00e-1	uG/L	U	no		POST-ROD 5	
BERYLLIUM	7/13/94	7.00e-1	uG/L	U	yes		POST-ROD 5	
BERYLLIUM	1/9/95	4.00e+0	uG/L	U	yes		POST-ROD 7	
BERYLLIUM	7/13/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
BERYLLIUM	1/22/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CADMIUM	7/26/93	5.00e+0	uG/L	U	no		POST-ROD 1	
CADMIUM	7/26/93	5.00e+0	uG/L	U	yes		POST-ROD 1	
CADMIUM	1/10/94	2.00e+0	uG/L	U	no		POST-ROD 3	
CADMIUM	1/10/94	2.00e+0	uG/L	U	no	X	POST-ROD 3	
CADMIUM	1/10/94	2.00e+0	uG/L	U	yes	X	POST-ROD 3	
CADMIUM	1/10/94	2.50e+0	uG/L	B	yes		POST-ROD 3	
CADMIUM	7/13/94	8.00e-1	uG/L	U	no		POST-ROD 5	
CADMIUM	7/13/94	8.00e-1	uG/L	U	yes		POST-ROD 5	
CADMIUM	1/9/95	7.20e+0	uG/L	*UJ	yes		POST-ROD 7	
CADMIUM	7/13/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
CADMIUM	1/22/96	4.00e+0	uG/L	U	yes		POST-ROD 11	
CALCIUM	1/9/95	8.28e+4	uG/L		yes		POST-ROD 7	

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CALCIUM	7/13/95	7.99e+4	uG/L		yes		POST-ROD 9	
CHROMIUM	7/26/93	1.73e+2	uG/L		no		POST-ROD 1	
CHROMIUM	7/26/93	1.87e+2	uG/L		yes		POST-ROD 1	
CHROMIUM	1/10/94	1.59e+2	uG/L		no		POST-ROD 3	
CHROMIUM	1/10/94	1.60e+2	uG/L		no	X	POST-ROD 3	
CHROMIUM	1/10/94	1.63e+2	uG/L		yes		POST-ROD 3	
CHROMIUM	1/10/94	1.63e+2	uG/L		yes	X	POST-ROD 3	
CHROMIUM	7/13/94	1.72e+2	uG/L		yes		POST-ROD 5	
CHROMIUM	7/13/94	1.83e+2	uG/L		no		POST-ROD 5	
CHROMIUM	1/9/95	1.79e+2	uG/L		yes		POST-ROD 7	
CHROMIUM	7/13/95	1.51e+2	uG/L	EJ	yes		POST-ROD 9	
CHROMIUM	1/22/96	2.02e+2	uG/L		yes		POST-ROD 11	
CHROMIUM	4/11/96	1.99e+2	uG/L		no		POST-ROD 12	
CHROMIUM HEXAVALENT	7/26/93	1.92e+2	uG/L	J	yes		POST-ROD 1	
CHROMIUM HEXAVALENT	7/26/93	1.93e+2	uG/L	J	no		POST-ROD 1	
CHROMIUM HEXAVALENT	1/10/94	1.59e+2	uG/L		yes		POST-ROD 3	
CHROMIUM HEXAVALENT	1/10/94	1.60e+2	uG/L		no		POST-ROD 3	
CHROMIUM HEXAVALENT	1/10/94	1.61e+2	uG/L		no	X	POST-ROD 3	
CHROMIUM HEXAVALENT	1/10/94	1.61e+2	uG/L		yes	X	POST-ROD 3	
CHROMIUM HEXAVALENT	7/13/94	1.72e+2	uG/L		yes		POST-ROD 5	
CHROMIUM HEXAVALENT	1/9/95	1.81e+2	uG/L		yes		POST-ROD 7	
CHROMIUM HEXAVALENT	7/13/95	1.70e+2	uG/L		yes		POST-ROD 9	
CHROMIUM HEXAVALENT	1/22/96	1.80e+2	uG/L		yes		POST-ROD 11	
COBALT	7/26/93	1.70e+1	uG/L	U	no		POST-ROD 1	
COBALT	7/26/93	1.70e+1	uG/L	U	yes		POST-ROD 1	
COBALT	1/10/94	1.20e+1	uG/L	U	no		POST-ROD 3	
COBALT	1/10/94	1.20e+1	uG/L	U	no	X	POST-ROD 3	
COBALT	1/10/94	1.20e+1	uG/L	U	yes		POST-ROD 3	
COBALT	1/10/94	1.20e+1	uG/L	U	yes	X	POST-ROD 3	
COBALT	7/13/94	3.00e+0	uG/L	U	no		POST-ROD 5	
COBALT	7/13/94	3.00e+0	uG/L	U	yes		POST-ROD 5	
COBALT	1/9/95	1.90e+1	uG/L	U	yes		POST-ROD 7	
COBALT	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
COBALT	1/22/96	9.00e+0	uG/L	U	yes		POST-ROD 11	
COPPER	1/9/95	1.20e+1	uG/L	U	yes		POST-ROD 7	
COPPER	7/13/95	7.00e+0	uG/L	U	yes		POST-ROD 9	
FLUORIDE	7/26/93	1.50e+2	uG/L	J	no		POST-ROD 1	
FLUORIDE	1/10/94	1.50e+2	uG/L		no	X	POST-ROD 3	
FLUORIDE	1/10/94	1.70e+2	uG/L		no		POST-ROD 3	
FLUORIDE	7/13/94	1.70e+2	uG/L		no		POST-ROD 5	
FLUORIDE	1/9/95	1.50e+2	uG/L		no		POST-ROD 7	
FLUORIDE	7/13/95	1.60e+2	uG/L		no		POST-ROD 9	
FLUORIDE	1/22/96	1.30e+2	uG/L		no		POST-ROD 11	
GAMMA ND	7/26/93		pCi/L	U			POST-ROD 1	
GAMMA ND	1/10/94		pCi/L	U			POST-ROD 3	
GAMMA ND	7/13/94		pCi/L	U			POST-ROD 5	
GAMMA ND	7/13/95		pCi/L	U			POST-ROD 9	
GAMMA ND	1/22/96		pCi/L	U			POST-ROD 11	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
IRON	1/9/95	5.38e+1	uG/L	BU	yes		POST-ROD 7	
IRON	7/13/95	4.40e+1	uG/L	U	yes		POST-ROD 9	
LEAD	7/26/93	4.60e+0	uG/L		no		POST-ROD 1	
LEAD	7/26/93	4.60e+0	uG/L		yes		POST-ROD 1	
LEAD	1/10/94	2.90e+0	uG/L	B	yes		POST-ROD 3	
LEAD	1/10/94	3.00e+0	uG/L	W	no		POST-ROD 3	
LEAD	1/10/94	3.00e+0	uG/L	WJ	no	X	POST-ROD 3	
LEAD	1/10/94	3.70e+0	uG/L		yes	X	POST-ROD 3	
LEAD	7/13/94	3.00e+0	uG/L	NUJ	no		POST-ROD 5	
LEAD	7/13/94	3.30e+0	uG/L	NJ	yes		POST-ROD 5	
LEAD	1/9/95	2.80e+0	uG/L	U	yes		POST-ROD 7	
LEAD	7/13/95	2.00e+0	uG/L	U	yes		POST-ROD 9	
LEAD	1/22/96	3.60e+0	uG/L		yes		POST-ROD 11	
MAGNESIUM	1/9/95	1.85e+4	uG/L		yes		POST-ROD 7	
MAGNESIUM	7/13/95	1.85e+4	uG/L		yes		POST-ROD 9	
MANGANESE	7/26/93	4.00e+0	uG/L	U	no		POST-ROD 1	
MANGANESE	7/26/93	4.00e+0	uG/L	U	yes		POST-ROD 1	
MANGANESE	1/10/94	3.00e+0	uG/L	U	no		POST-ROD 3	
MANGANESE	1/10/94	3.00e+0	uG/L	U	no	X	POST-ROD 3	
MANGANESE	1/10/94	3.00e+0	uG/L	U	yes		POST-ROD 3	
MANGANESE	1/10/94	3.00e+0	uG/L	B	yes	X	POST-ROD 3	
MANGANESE	7/13/94	1.00e+0	uG/L	U	no		POST-ROD 5	
MANGANESE	7/13/94	1.00e+0	uG/L	U	yes		POST-ROD 5	
MANGANESE	1/9/95	6.00e+0	uG/L	U	yes		POST-ROD 7	
MANGANESE	7/13/95	5.00e+0	uG/L	U	yes		POST-ROD 9	
MANGANESE	1/22/96	6.00e+0	uG/L	U	yes		POST-ROD 11	
MERCURY	1/9/95	1.00e-1	uG/L	U	yes		POST-ROD 7	
MERCURY	7/13/95	1.00e-1	uG/L	U	yes		POST-ROD 9	
NICKEL	1/9/95	1.70e+1	uG/L	U	yes		POST-ROD 7	
NICKEL	7/13/95	1.40e+1	uG/L	U	yes		POST-ROD 9	
POTASSIUM	1/9/95	3.10e+3	uG/L	B	yes		POST-ROD 7	
POTASSIUM	7/13/95	3.29e+3	uG/L	B	yes		POST-ROD 9	
SELENIUM	1/9/95	4.90e+0	uG/L	UN	yes		POST-ROD 7	
SELENIUM	7/13/95	4.00e+0	uG/L	U	yes		POST-ROD 9	
SILVER	1/9/95	2.00e+0	uG/L	U	yes		POST-ROD 7	
SILVER	7/13/95	1.00e+0	uG/L	U	yes		POST-ROD 9	
SODIUM	1/9/95	1.49e+4	uG/L		yes		POST-ROD 7	
SODIUM	7/13/95	1.31e+4	uG/L		yes		POST-ROD 9	
SR-90	7/26/93	0.00e+0	pCi/mL		no		POST-ROD 1	0.00e+0
SR-90	1/10/94	0.00e+0	pCi/mL	UJ	no		POST-ROD 3	0.00e+0
SR-90	1/10/94	0.00e+0	pCi/mL	UJ	no	X	POST-ROD 3	0.00e+0
SR-90	7/13/94	0.00e+0	pCi/mL	U	no		POST-ROD 5	0.00e+0
SR-90	1/9/95	0.00e+0	pCi/mL	U	no		POST-ROD 7	0.00e+0
SR-90	7/13/95	0.00e+0	pCi/mL		no		POST-ROD 9	0.00e+0
SR-90	1/22/96	0.00e+0	pCi/mL	U	no		POST-ROD 11	0.00e+0
SR-90	4/11/96	0.00e+0	pCi/mL	UJ	yes		POST-ROD 12	0.00e+0
THALLIUM	1/9/95	7.00e+0	uG/L	U	yes		POST-ROD 7	

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Analyte	Date	Conc	Units	Qual Flags	Filter	QC?	Sample Round	Uncert
THALLIUM	7/13/95	3.00e+0	uG/L	U	yes		POST-ROD 9	
TRITIUM	7/26/93	2.82e+1	pCi/mL		no		POST-ROD 1	4.00e-1
TRITIUM	1/10/94	2.66e+1	pCi/mL		no	X	POST-ROD 3	4.00e-1
TRITIUM	1/10/94	2.74e+1	pCi/mL		no		POST-ROD 3	4.00e-1
TRITIUM	7/13/94	2.48e+1	pCi/mL		no		POST-ROD 5	4.00e-1
TRITIUM	1/9/95	2.86e+1	pCi/mL		no		POST-ROD 7	5.00e-1
TRITIUM	7/13/95	2.33e+1	pCi/mL		no		POST-ROD 9	4.00e-1
TRITIUM	1/22/96	2.30e+1	pCi/mL		no		POST-ROD 11	4.00e-1
TRITIUM	4/11/96	2.44e+1	pCi/mL		yes		POST-ROD 12	4.00e-1
VANADIUM	1/9/95	2.10e+1	uG/L	U	yes		POST-ROD 7	
VANADIUM	7/13/95	2.10e+1	uG/L	U	yes		POST-ROD 9	
ZINC	1/9/95	1.84e+2	uG/L		yes		POST-ROD 7	
ZINC	7/13/95	2.64e+2	uG/L		yes		POST-ROD 9	

USGS Contaminant Data

TRA USGS Tritium data

Inel Name : mtr-test

Date	Value	Rem	Analyte	Units
10/7/92	2,900.00		H-3	pCi/L
4/24/93	3,400.00		H-3	pCi/L
10/19/93	2,500.00		H-3	pCi/L
4/14/94	2,900.00		H-3	pCi/L
9/28/94	2,300.00		H-3	pCi/L
4/26/95	1,600.00		H-3	pCi/L

Inel Name : pw-07

Date	Value	Rem	Analyte	Units
1/11/91	300.00		H-3	pCi/L
4/22/91	600.00		H-3	pCi/L
7/11/91	700.00		H-3	pCi/L
10/29/91	500.00		H-3	pCi/L
1/17/92	400.00		H-3	pCi/L
4/21/92	500.00		H-3	pCi/L
7/13/92	700.00		H-3	pCi/L
10/28/92	500.00		H-3	pCi/L
4/24/93	400.00		H-3	pCi/L
7/17/93	700.00		H-3	pCi/L
10/22/93	400.00		H-3	pCi/L
4/29/94	500.00		H-3	pCi/L

Inel Name : site-19

Date	Value	Rem	Analyte	Units
5/9/91	26.00	<	H-3	pCi/L
10/7/92	-100.00		H-3	pCi/L
4/26/93	-50.00		H-3	pCi/L
10/14/93	-100.00		H-3	pCi/L
7/8/94	-30.00		H-3	pCi/L
7/6/95	0.00		H-3	pCi/L

Inel Name : tra-01

Date	Value	Rem	Analyte	Units
11/2/92	-100.00		H-3	pCi/L
4/5/93	-180.00		H-3	pCi/L
10/4/93	0.00		H-3	pCi/L
7/6/94	-150.00		H-3	pCi/L
7/11/95	-160.00		H-3	pCi/L

Inel Name : tra-03

Date	Value	Rem	Analyte	Units
11/2/92	-100.00		H-3	pCi/L
4/5/93	0.00		H-3	pCi/L
7/11/95	-130.00		H-3	pCi/L

Inel Name : tra-04

Date	Value	Rem	Analyte	Units
11/2/92	100.00		H-3	pCi/L
4/5/93	-180.00		H-3	pCi/L
10/4/93	0.00		H-3	pCi/L
7/6/94	-70.00		H-3	pCi/L

TRA USGS Tritium data

Inel Name : tra-04

Date	Value	Rem	Analyte	Units
7/11/95	-200.00		H-3	pCi/L

Inel Name : tra-disp

Date	Value	Rem	Analyte	Units
4/24/92	6,600.00		H-3	pCi/L
8/4/92	29,100.00		H-3	pCi/L
10/29/92	6,100.00		H-3	pCi/L
2/5/93	7,400.00		H-3	pCi/L
4/29/93	6,100.00		H-3	pCi/L
7/20/93	6,700.00		H-3	pCi/L
10/28/93	5,900.00		H-3	pCi/L
4/29/94	7,200.00		H-3	pCi/L
10/26/94	6,900.00		H-3	pCi/L
4/25/95	7,100.00		H-3	pCi/L

Inel Name : usgs-053

Date	Value	Rem	Analyte	Units
4/8/91	345,000.00		H-3	pCi/L
10/28/92	1,010,000.00		H-3	pCi/L
4/19/93	1,340,000.00		H-3	pCi/L
10/15/93	41,600.00		H-3	pCi/L
4/18/94	206,000.00		H-3	pCi/L
10/25/94	122,000.00		H-3	pCi/L
4/7/95	128,000.00		H-3	pCi/L

Inel Name : usgs-054

Date	Value	Rem	Analyte	Units
1/14/91	1,400.00		H-3	pCi/L
4/3/91	1,000.00		H-3	pCi/L
7/1/91	1,500.00		H-3	pCi/L
1/22/92	703,000.00		H-3	pCi/L
8/3/92	910,000.00		H-3	pCi/L
10/16/92	812,000.00		H-3	pCi/L
4/19/93	282,000.00		H-3	pCi/L
7/21/93	3,900.00		H-3	pCi/L
10/13/93	4,800.00		H-3	pCi/L
4/19/94	2,800.00		H-3	pCi/L
7/11/94	2,300.00		H-3	pCi/L
10/25/94	1,800.00		H-3	pCi/L
1/4/95	4,400.00		H-3	pCi/L
4/7/95	2,000.00		H-3	pCi/L
7/12/95	2,700.00		H-3	pCi/L

Inel Name : usgs-055

Date	Value	Rem	Analyte	Units
4/4/91	8,500.00		H-3	pCi/L
10/16/92	4,700.00		H-3	pCi/L
5/4/93	6,900.00		H-3	pCi/L
4/18/94	1,500.00		H-3	pCi/L
10/25/94	900.00		H-3	pCi/L
4/10/95	900.00		H-3	pCi/L

TRA USGS Tritium data

Inel Name : usgs-056

Date	Value	Rem	Analyte	Units
4/15/91	785,000.00		H-3	pCi/L
4/29/93	1,600,000.00		H-3	pCi/L
4/25/94	571,000.00		H-3	pCi/L
10/26/94	86,100.00		H-3	pCi/L
4/18/95	551,000.00		H-3	pCi/L

Inel Name : usgs-058

Date	Value	Rem	Analyte	Units
4/3/91	5,100.00		H-3	pCi/L
10/8/92	4,400.00		H-3	pCi/L
4/19/93	4,400.00		H-3	pCi/L
10/21/93	3,900.00		H-3	pCi/L
4/19/94	4,800.00		H-3	pCi/L
10/18/94	4,700.00		H-3	pCi/L
4/11/95	4,600.00		H-3	pCi/L

Inel Name : usgs-060

Date	Value	Rem	Analyte	Units
1/4/91	0.00		H-3	pCi/L
4/5/91	300.00		H-3	pCi/L
7/1/91	80.00		H-3	pCi/L
10/22/91	5,100.00		H-3	pCi/L
1/10/92	130,000.00		H-3	pCi/L
4/7/92	199,000.00		H-3	pCi/L
7/13/92	151,000.00		H-3	pCi/L
9/29/92	60,800.00		H-3	pCi/L
4/1/93	1,100.00		H-3	pCi/L
7/17/93	1,300.00		H-3	pCi/L
10/7/93	0.00		H-3	pCi/L
4/6/94	1,300.00		H-3	pCi/L
9/29/94	1,000.00		H-3	pCi/L
4/10/95	2,200.00		H-3	pCi/L

Inel Name : usgs-061

Date	Value	Rem	Analyte	Units
4/9/91	14,700.00		H-3	pCi/L
10/23/91	13,200.00		H-3	pCi/L
4/8/92	17,200.00		H-3	pCi/L
10/13/92	27,500.00		H-3	pCi/L
4/12/93	52,100.00		H-3	pCi/L
10/6/93	58,300.00		H-3	pCi/L
4/28/94	36,700.00		H-3	pCi/L
10/27/94	25,700.00		H-3	pCi/L
4/12/95	24,300.00		H-3	pCi/L

Inel Name : usgs-062

Date	Value	Rem	Analyte	Units
4/8/91	1,600.00		H-3	pCi/L
10/23/91	1,300.00		H-3	pCi/L
4/9/92	7,200.00		H-3	pCi/L
10/13/92	4,800.00		H-3	pCi/L
4/12/93	2,300.00		H-3	pCi/L
9/30/93	1,400.00		H-3	pCi/L

TRA USGS Tritium data

Inel Name : usgs-062

Date	Value	Rem	Analyte	Units
4/25/94	1,500.00		H-3	pCi/L
10/24/94	900.00		H-3	pCi/L
4/12/95	1,100.00		H-3	pCi/L

Inel Name : usgs-063

Date	Value	Rem	Analyte	Units
4/8/91	1,000.00		H-3	pCi/L
10/23/91	200.00		H-3	pCi/L
4/9/92	7,900.00		H-3	pCi/L
10/14/92	1,900.00		H-3	pCi/L
4/6/93	110.00		H-3	pCi/L
10/13/93	400.00		H-3	pCi/L
4/25/94	400.00		H-3	pCi/L
10/27/94	700.00		H-3	pCi/L
4/7/95	600.00		H-3	pCi/L

Inel Name : usgs-065

Date	Value	Rem	Analyte	Units
1/11/91	45,400.00		H-3	pCi/L
4/2/91	40,900.00		H-3	pCi/L
5/16/91	40,000.00		H-3	pCi/L
5/16/91	40,900.00		H-3	pCi/L
7/22/91	38,700.00		H-3	pCi/L
10/15/91	37,800.00		H-3	pCi/L
1/15/92	37,700.00		H-3	pCi/L
4/13/92	34,800.00		H-3	pCi/L
7/14/92	34,200.00		H-3	pCi/L
10/7/92	32,900.00		H-3	pCi/L
4/15/93	32,000.00		H-3	pCi/L
7/16/93	29,600.00		H-3	pCi/L
10/8/93	27,600.00		H-3	pCi/L
1/12/94	26,800.00		H-3	pCi/L
4/15/94	26,600.00		H-3	pCi/L
7/12/94	24,400.00		H-3	pCi/L
10/12/94	22,800.00		H-3	pCi/L
1/10/95	22,900.00		H-3	pCi/L
4/12/95	23,800.00		H-3	pCi/L
7/11/95	22,500.00		H-3	pCi/L

Inel Name : usgs-066

Date	Value	Rem	Analyte	Units
4/22/91	8,600.00		H-3	pCi/L
10/29/91	7,000.00		H-3	pCi/L
4/29/92	6,700.00		H-3	pCi/L
10/28/92	7,700.00		H-3	pCi/L
4/24/93	14,200.00		H-3	pCi/L
10/22/93	11,500.00		H-3	pCi/L
7/28/94	6,700.00		H-3	pCi/L
7/17/95	3,800.00		H-3	pCi/L

Inel Name : usgs-068

Date	Value	Rem	Analyte	Units
1/18/91	-120.00		H-3	pCi/L

TRA USGS Tritium data

Inel Name : usgs-068

Date	Value	Rem	Analyte	Units
4/25/91	-70.00		H-3	pCi/L
7/2/91	-50.00		H-3	pCi/L
10/30/91	200.00		H-3	pCi/L
1/17/92	-160.00		H-3	pCi/L
4/10/92	-100.00		H-3	pCi/L
7/21/92	0.00		H-3	pCi/L
10/29/92	0.00		H-3	pCi/L
2/5/93	200.00		H-3	pCi/L
4/29/93	-130.00		H-3	pCi/L
7/20/93	250.00		H-3	pCi/L
10/28/93	-110.00		H-3	pCi/L
4/29/94	-170.00		H-3	pCi/L
10/26/94	0.00		H-3	pCi/L
4/25/95	-80.00		H-3	pCi/L

Inel Name : usgs-069

Date	Value	Rem	Analyte	Units
4/8/91	90.00		H-3	pCi/L
10/24/91	20.00		H-3	pCi/L
4/9/92	100.00		H-3	pCi/L
10/14/92	110.00		H-3	pCi/L
4/13/93	0.00		H-3	pCi/L
10/12/93	-170.00		H-3	pCi/L
7/11/94	-100.00		H-3	pCi/L
7/6/95	-20.00		H-3	pCi/L

Inel Name : usgs-070

Date	Value	Rem	Analyte	Units
4/11/91	42,800.00		H-3	pCi/L
10/18/91	106,000.00		H-3	pCi/L
4/9/92	50,500.00		H-3	pCi/L
10/14/92	87,100.00		H-3	pCi/L
4/12/93	219,000.00		H-3	pCi/L
10/7/93	36,000.00		H-3	pCi/L
4/20/94	36,800.00		H-3	pCi/L
10/27/94	29,100.00		H-3	pCi/L
4/12/95	33,900.00		H-3	pCi/L

Inel Name : usgs-071

Date	Value	Rem	Analyte	Units
4/22/91	13,300.00		H-3	pCi/L
10/29/91	9,800.00		H-3	pCi/L
4/22/92	10,800.00		H-3	pCi/L
10/15/92	9,700.00		H-3	pCi/L
4/13/93	8,300.00		H-3	pCi/L
10/12/93	7,100.00		H-3	pCi/L
4/19/94	6,900.00		H-3	pCi/L
10/31/94	5,700.00		H-3	pCi/L
4/13/95	5,300.00		H-3	pCi/L

Inel Name : usgs-072

Date	Value	Rem	Analyte	Units
4/25/91	70.00		H-3	pCi/L

TRA USGS Tritium data

Inel Name : usgs-072

Date	Value	Rem	Analyte	Units
10/30/91	200.00		H-3	pCi/L
4/10/92	-160.00		H-3	pCi/L
10/29/92	0.00		H-3	pCi/L
4/5/93	0.00		H-3	pCi/L
10/28/93	-100.00		H-3	pCi/L
7/6/94	0.00		H-3	pCi/L
7/11/95	-160.00		H-3	pCi/L

Inel Name : usgs-073

Date	Value	Rem	Analyte	Units
4/15/91	126,000.00		H-3	pCi/L
10/24/91	208,000.00		H-3	pCi/L
4/13/92	149,000.00		H-3	pCi/L
10/28/92	118,000.00		H-3	pCi/L
4/19/93	128,000.00		H-3	pCi/L
10/18/93	296,000.00		H-3	pCi/L
5/3/94	150,000.00		H-3	pCi/L
10/21/94	148,000.00		H-3	pCi/L
4/27/95	119,000.00		H-3	pCi/L

Inel Name : usgs-074

Date	Value	Rem	Analyte	Units
4/26/91	104,000.00		H-3	pCi/L
10/28/91	95,300.00		H-3	pCi/L
4/22/92	93,100.00		H-3	pCi/L

Inel Name : usgs-076

Date	Value	Rem	Analyte	Units
1/15/91	3,300.00		H-3	pCi/L
4/3/91	3,200.00		H-3	pCi/L
7/17/91	3,500.00		H-3	pCi/L
10/2/91	3,500.00		H-3	pCi/L
4/13/92	2,900.00		H-3	pCi/L
10/8/92	3,100.00		H-3	pCi/L
4/26/93	2,700.00		H-3	pCi/L
10/21/93	2,300.00		H-3	pCi/L
4/26/94	2,800.00		H-3	pCi/L
10/12/94	2,500.00		H-3	pCi/L
4/11/95	2,400.00		H-3	pCi/L

Inel Name : usgs-079

Date	Value	Rem	Analyte	Units
4/2/91	160.00		H-3	pCi/L
10/2/91	130.00		H-3	pCi/L
4/9/92	-100.00		H-3	pCi/L
10/8/92	0.00		H-3	pCi/L
4/28/93	0.00		H-3	pCi/L
10/19/93	-200.00		H-3	pCi/L
4/14/94	-110.00		H-3	pCi/L
10/18/94	-120.00		H-3	pCi/L
4/11/95	-50.00		H-3	pCi/L

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :pw-07

Analyte	Date	Value	Rem	Time	Units
Cr	1/11/91	2.00		1340	ug/L as Cr
Cr	4/22/91	5.00		1110	ug/L as Cr
Cr	7/11/91	3.00	<	1415	ug/L as Cr
Cr	10/29/91	2.00		1210	ug/L as Cr
Cr	1/17/92	3.00		1430	ug/L as Cr
Cr	4/21/92	1.00	<	1040	ug/L as Cr
Cr	10/28/92	1.00	<	930	ug/L as Cr
Cr	4/24/93	1.00	<	1115	ug/L as Cr
Cr	4/29/94	1.00	<	1445	ug/L as Cr
Cr-VI	1/11/91	1.00	<	1340	ug/L as Cr
Cr-VI	4/22/91	3.00		1110	ug/L as Cr
Cr-VI	7/11/91	1.00	<	1415	ug/L as Cr
Cr-VI	10/29/91	1.00	<	1210	ug/L as Cr
Cr-VI	1/17/92	1.00	<	1430	ug/L as Cr
Cr-VI	4/21/92	1.00	<	1040	ug/L as Cr
Cr-VI	10/28/92	1.00	<	930	ug/L as Cr
Cr-VI	4/24/93	1.00	<	1115	ug/L as Cr
Cr-VI	4/29/94	1.00	<	1445	ug/L as Cr

Well Name :pw-08

Analyte	Date	Value	Rem	Time	Units
Cr	10/13/92	17.00		1300	ug/L as Cr
Cr	4/6/93	17.00		1215	ug/L as Cr
Cr	7/17/93	1.00	<	1300	ug/L as Cr
Cr	7/17/93	14.00		1148	ug/L as Cr
Cr	10/7/93	12.00		1255	ug/L as Cr
Cr	1/20/94	13.00		1620	ug/L as Cr
Cr	4/8/94	10.00		1215	ug/L as Cr
Cr	7/13/94	6.40		1310	ug/L as Cr
Cr	9/29/94	11.00		1513	ug/L as Cr
Cr	1/18/95	9.70		1520	ug/L as Cr
Cr	4/10/95	12.00		1510	ug/L as Cr
Cr	7/12/95	6.00		1106	ug/L as Cr
Cr	10/3/95	8.00		1125	ug/L as Cr
Cr	1/8/96	11.00		1345	ug/L as Cr
Cr	4/2/96	8.00		1158	ug/L as Cr
Cr-VI	10/13/92	1.00	<	1300	ug/L as Cr
Cr-VI	4/6/93	12.00		1215	ug/L as Cr
Cr-VI	7/17/93	9.00		1300	ug/L as Cr
Cr-VI	7/17/93	12.00		1148	ug/L as Cr
Cr-VI	10/7/93	10.00		1255	ug/L as Cr
Cr-VI	1/20/94	6.00		1620	ug/L as Cr
Cr-VI	4/8/94	1.00	<	1215	ug/L as Cr
Cr-VI	7/13/94	1.00	<	1310	ug/L as Cr
Cr-VI	9/29/94	4.00		1513	ug/L as Cr
Cr-VI	1/18/95	4.00		1520	ug/L as Cr
Cr-VI	4/10/95	1.00	<	1510	ug/L as Cr
Cr-VI	7/12/95	5.00		1106	ug/L as Cr
Cr-VI	10/3/95	6.00		1125	ug/L as Cr
Cr-VI	1/8/96	2.00		1345	ug/L as Cr
Cr-VI	4/2/96	5.00		1158	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :pw-09

Analyte	Date	Value	Rem	Time	Units
Cr	1/14/91	90.00		1230	ug/L as Cr
Cr	4/21/92	100.00		1120	ug/L as Cr
Cr	7/13/92	81.00		1425	ug/L as Cr
Cr	10/15/92	100.00		1345	ug/L as Cr
Cr	2/4/93	130.00		1425	ug/L as Cr
Cr	2/4/93	130.00		1430	ug/L as Cr
Cr	2/4/93	140.00		1425	ug/L as Cr
Cr	2/4/93	140.00		1430	ug/L as Cr
Cr	4/6/93	140.00		1430	ug/L as Cr
Cr	4/6/93	150.00		1415	ug/L as Cr
Cr	7/20/93	9.00		1550	ug/L as Cr
Cr	10/8/93	180.00		1415	ug/L as Cr
Cr	1/14/94	240.00		950	ug/L as Cr
Cr	4/25/94	220.00		1251	ug/L as Cr
Cr	7/12/94	220.00		1446	ug/L as Cr
Cr	10/24/94	220.00		1019	ug/L as Cr
Cr	1/18/95	210.00		1130	ug/L as Cr
Cr	4/7/95	190.00		1025	ug/L as Cr
Cr	7/11/95	180.00		1644	ug/L as Cr
Cr	7/11/95	180.00		1750	ug/L as Cr
Cr	10/6/95	180.00		945	ug/L as Cr
Cr	1/8/96	180.00		1055	ug/L as Cr
Cr	4/3/96	170.00		1420	ug/L as Cr
Cr	4/18/96	13.00		835	ug/L as Cr
Cr	4/18/96	14.00		930	ug/L as Cr
Cr-VI	1/14/91	50.00		1230	ug/L as Cr
Cr-VI	4/21/92	1.00	<	1120	ug/L as Cr
Cr-VI	7/13/92	76.00		1425	ug/L as Cr
Cr-VI	10/15/92	100.00		1345	ug/L as Cr
Cr-VI	2/4/93	110.00		1425	ug/L as Cr
Cr-VI	2/4/93	110.00		1430	ug/L as Cr
Cr-VI	4/6/93	150.00		1415	ug/L as Cr
Cr-VI	4/6/93	170.00		1430	ug/L as Cr
Cr-VI	7/20/93	160.00		1550	ug/L as Cr
Cr-VI	10/8/93	150.00		1415	ug/L as Cr
Cr-VI	1/14/94	170.00		950	ug/L as Cr
Cr-VI	4/25/94	210.00		1251	ug/L as Cr
Cr-VI	7/12/94	180.00		1446	ug/L as Cr
Cr-VI	10/24/94	200.00		1019	ug/L as Cr
Cr-VI	1/18/95	210.00		1130	ug/L as Cr
Cr-VI	4/7/95	130.00		1025	ug/L as Cr
Cr-VI	7/11/95	180.00		1750	ug/L as Cr
Cr-VI	7/11/95	190.00		1644	ug/L as Cr
Cr-VI	10/6/95	260.00		945	ug/L as Cr
Cr-VI	1/8/96	130.00		1055	ug/L as Cr
Cr-VI	4/3/96	150.00		1420	ug/L as Cr
Cr-VI	4/18/96	3.00		930	ug/L as Cr
Cr-VI	4/18/96	5.00		835	ug/L as Cr

Well Name :usgs-053

Analyte	Date	Value	Rem	Time	Units
Cr	4/8/91	27.00		1530	ug/L as Cr
Cr	10/28/92	1.00	<	1600	ug/L as Cr
Cr	4/19/93	170.00		1310	ug/L as Cr
Cr	10/15/93	33.00		1305	ug/L as Cr
Cr	4/18/94	250.00		1100	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-053

Analyte	Date	Value	Rem	Time	Units
Cr	10/25/94	82.00		1020	ug/L as Cr
Cr	4/7/95	540.00		1400	ug/L as Cr
Cr-VI	4/8/91	20.00		1530	ug/L as Cr
Cr-VI	10/28/92	92.00		1600	ug/L as Cr
Cr-VI	4/19/93	180.00		1310	ug/L as Cr
Cr-VI	10/15/93	10.00	<	1305	ug/L as Cr
Cr-VI	4/18/94	170.00		1100	ug/L as Cr
Cr-VI	10/25/94	65.00		1020	ug/L as Cr
Cr-VI	4/7/95	500.00		1400	ug/L as Cr

Well Name :usgs-054

Analyte	Date	Value	Rem	Time	Units
Cr	1/14/91	8.00		1145	ug/L as Cr
Cr	4/3/91	6.00		1445	ug/L as Cr
Cr	7/1/91	8.00		1430	ug/L as Cr
Cr	1/22/92	59.00		955	ug/L as Cr
Cr	8/3/92	48.00		1345	ug/L as Cr
Cr	10/16/92	66.00		1000	ug/L as Cr
Cr	4/19/93	24.00		1500	ug/L as Cr
Cr	7/21/93	6.00		1106	ug/L as Cr
Cr	10/13/93	7.00		1400	ug/L as Cr
Cr	4/19/94	7.10		948	ug/L as Cr
Cr	7/11/94	6.10		1000	ug/L as Cr
Cr	10/25/94	7.80		1138	ug/L as Cr
Cr	1/4/95	11.00		1448	ug/L as Cr
Cr	4/7/95	10.00		1515	ug/L as Cr
Cr	7/12/95	6.00		1212	ug/L as Cr
Cr	10/4/95	6.00		1205	ug/L as Cr
Cr	4/8/96	13.00		1322	ug/L as Cr
Cr-VI	1/14/91	1.00	<	1145	ug/L as Cr
Cr-VI	4/3/91	6.00		1445	ug/L as Cr
Cr-VI	7/1/91	1.00		1430	ug/L as Cr
Cr-VI	1/22/92	27.00		955	ug/L as Cr
Cr-VI	8/3/92	19.00		1345	ug/L as Cr
Cr-VI	10/16/92	36.00		1000	ug/L as Cr
Cr-VI	4/19/93	19.00		1500	ug/L as Cr
Cr-VI	7/21/93	1.00	<	1106	ug/L as Cr
Cr-VI	10/13/93	5.00		1400	ug/L as Cr
Cr-VI	4/19/94	1.00	<	948	ug/L as Cr
Cr-VI	7/11/94	1.00	<	1000	ug/L as Cr
Cr-VI	10/25/94	11.00		1138	ug/L as Cr
Cr-VI	1/4/95	10.00		1448	ug/L as Cr
Cr-VI	4/7/95	1.00	<	1515	ug/L as Cr
Cr-VI	7/12/95	3.00		1212	ug/L as Cr
Cr-VI	10/4/95	4.00		1205	ug/L as Cr
Cr-VI	4/8/96	11.00		1322	ug/L as Cr

Well Name :usgs-055

Analyte	Date	Value	Rem	Time	Units
Cr	4/4/91	57.00		1045	ug/L as Cr
Cr	10/16/92	22.00		1220	ug/L as Cr
Cr	5/4/93	17.00		1810	ug/L as Cr
Cr	4/18/94	53.00		1200	ug/L as Cr
Cr	10/25/94	74.00		1300	ug/L as Cr
Cr	4/10/95	40.00		1050	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-055

Analyte	Date	Value	Rem	Time	Units
Cr	10/4/95	53.00		1400	ug/L as Cr
Cr	10/4/95	53.00		1430	ug/L as Cr
Cr	4/8/96	47.00		1452	ug/L as Cr
Cr-VI	4/4/91	48.00		1045	ug/L as Cr
Cr-VI	10/16/92	2.00	<	1220	ug/L as Cr
Cr-VI	5/4/93	6.00		1810	ug/L as Cr
Cr-VI	4/18/94	17.00		1200	ug/L as Cr
Cr-VI	10/25/94	40.00		1300	ug/L as Cr
Cr-VI	4/10/95	10.00		1050	ug/L as Cr
Cr-VI	10/4/95	44.00		1400	ug/L as Cr
Cr-VI	10/4/95	54.00		1430	ug/L as Cr
Cr-VI	4/8/96	35.00		1452	ug/L as Cr

Well Name :usgs-056

Analyte	Date	Value	Rem	Time	Units
Cr	4/15/91	62.00		1640	ug/L as Cr
Cr	4/29/93	67.00		1400	ug/L as Cr
Cr	4/25/94	120.00		1555	ug/L as Cr
Cr	10/26/94	58.00		1628	ug/L as Cr
Cr	4/18/95	81.00		1510	ug/L as Cr
Cr	10/4/95	190.00		1535	ug/L as Cr
Cr	4/8/96	200.00		1635	ug/L as Cr
Cr-VI	4/15/91	54.00		1640	ug/L as Cr
Cr-VI	4/29/93	54.00		1400	ug/L as Cr
Cr-VI	4/25/94	10.00		1555	ug/L as Cr
Cr-VI	10/26/94	50.00		1628	ug/L as Cr
Cr-VI	4/18/95	45.00		1510	ug/L as Cr
Cr-VI	10/4/95	270.00		1535	ug/L as Cr
Cr-VI	4/8/96	160.00		1635	ug/L as Cr

Well Name :usgs-060

Analyte	Date	Value	Rem	Time	Units
Cr	1/4/91	5.00		1430	ug/L as Cr
Cr	4/5/91	5.00		1215	ug/L as Cr
Cr	7/1/91	4.00		1130	ug/L as Cr
Cr	10/22/91	7.00		1525	ug/L as Cr
Cr	1/10/92	16.00		1515	ug/L as Cr
Cr	4/7/92	24.00		1800	ug/L as Cr
Cr	7/13/92	19.00		1235	ug/L as Cr
Cr	9/29/92	12.00		1730	ug/L as Cr
Cr	4/1/93	8.00		1410	ug/L as Cr
Cr	7/17/93	7.00		1455	ug/L as Cr
Cr	10/7/93	4.00		1355	ug/L as Cr
Cr	4/6/94	6.50		1221	ug/L as Cr
Cr	9/29/94	8.70		1600	ug/L as Cr
Cr	4/10/95	9.00		1225	ug/L as Cr
Cr	10/3/95	7.00		1200	ug/L as Cr
Cr	4/2/96	5.00	<	1350	ug/L as Cr
Cr-VI	1/4/91	6.00		1430	ug/L as Cr
Cr-VI	4/5/91	5.00		1215	ug/L as Cr
Cr-VI	7/1/91	1.00	<	1130	ug/L as Cr
Cr-VI	10/22/91	3.00		1525	ug/L as Cr
Cr-VI	1/10/92	17.00		1515	ug/L as Cr
Cr-VI	4/7/92	10.00		1800	ug/L as Cr
Cr-VI	7/13/92	11.00		1235	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-060

Analyte	Date	Value	Rem	Time	Units
Cr-VI	9/29/92	1.00	<	1730	ug/L as Cr
Cr-VI	4/1/93	5.00		1410	ug/L as Cr
Cr-VI	7/17/93	1.00	<	1455	ug/L as Cr
Cr-VI	10/7/93	4.00		1355	ug/L as Cr
Cr-VI	4/6/94	1.00	<	1221	ug/L as Cr
Cr-VI	9/29/94	3.00		1600	ug/L as Cr
Cr-VI	4/10/95	1.00	<	1225	ug/L as Cr
Cr-VI	10/3/95	5.00		1200	ug/L as Cr
Cr-VI	4/2/96	4.00		1350	ug/L as Cr

Well Name :usgs-061

Analyte	Date	Value	Rem	Time	Units
Cr	4/9/91	16.00		1400	ug/L as Cr
Cr	10/23/91	15.00		1135	ug/L as Cr
Cr	4/8/92	30.00		1220	ug/L as Cr
Cr	10/13/92	33.00		1500	ug/L as Cr
Cr	4/12/93	35.00		1200	ug/L as Cr
Cr	10/6/93	15.00		1520	ug/L as Cr
Cr	4/28/94	17.00		1147	ug/L as Cr
Cr	10/27/94	22.00		1110	ug/L as Cr
Cr	4/12/95	32.00		1005	ug/L as Cr
Cr	10/3/95	27.00		1330	ug/L as Cr
Cr	4/9/96	24.00		1033	ug/L as Cr
Cr-VI	4/9/91	11.00		1400	ug/L as Cr
Cr-VI	10/23/91	5.00		1135	ug/L as Cr
Cr-VI	4/8/92	14.00		1220	ug/L as Cr
Cr-VI	10/13/92	1.00	<	1500	ug/L as Cr
Cr-VI	4/12/93	21.00		1200	ug/L as Cr
Cr-VI	10/6/93	9.00		1520	ug/L as Cr
Cr-VI	4/28/94	7.00		1147	ug/L as Cr
Cr-VI	10/27/94	24.00		1110	ug/L as Cr
Cr-VI	4/12/95	7.00		1005	ug/L as Cr
Cr-VI	10/3/95	19.00		1330	ug/L as Cr
Cr-VI	4/9/96	9.00		1033	ug/L as Cr

Well Name :usgs-062

Analyte	Date	Value	Rem	Time	Units
Cr	4/8/91	8.00		1410	ug/L as Cr
Cr	10/23/91	9.00		1330	ug/L as Cr
Cr	4/9/92	15.00		1045	ug/L as Cr
Cr	10/13/92	45.00		1630	ug/L as Cr
Cr	4/12/93	69.00		1330	ug/L as Cr
Cr	9/30/93	69.00		1505	ug/L as Cr
Cr	4/25/94	33.00		1731	ug/L as Cr
Cr	10/24/94	22.00		1155	ug/L as Cr
Cr	4/12/95	18.00		1125	ug/L as Cr
Cr	10/3/95	10.00		1445	ug/L as Cr
Cr	4/9/96	10.00		1310	ug/L as Cr
Cr-VI	4/8/91	7.00		1410	ug/L as Cr
Cr-VI	10/23/91	1.00	<	1330	ug/L as Cr
Cr-VI	4/9/92	3.00		1045	ug/L as Cr
Cr-VI	10/13/92	10.00		1630	ug/L as Cr
Cr-VI	4/12/93	60.00		1330	ug/L as Cr
Cr-VI	9/30/93	60.00		1505	ug/L as Cr
Cr-VI	4/25/94	11.00		1731	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-062

Analyte	Date	Value	Rem	Time	Units
Cr-VI	10/24/94	26.00		1155	ug/L as Cr
Cr-VI	4/12/95	1.00	<	1125	ug/L as Cr
Cr-VI	10/3/95	6.00		1445	ug/L as Cr
Cr-VI	4/9/96	2.00		1310	ug/L as Cr

Well Name :usgs-063

Analyte	Date	Value	Rem	Time	Units
Cr	4/8/91	9.00		1215	ug/L as Cr
Cr	10/23/91	9.00		1530	ug/L as Cr
Cr	4/9/92	72.00		1200	ug/L as Cr
Cr	10/14/92	180.00		950	ug/L as Cr
Cr	4/6/93	130.00		1645	ug/L as Cr
Cr	10/13/93	120.00		1250	ug/L as Cr
Cr	4/25/94	80.00		1420	ug/L as Cr
Cr	10/27/94	51.00		1245	ug/L as Cr
Cr	4/7/95	33.00		1155	ug/L as Cr
Cr	10/4/95	21.00		945	ug/L as Cr
Cr	4/10/96	15.00		834	ug/L as Cr
Cr-VI	4/8/91	8.00		1215	ug/L as Cr
Cr-VI	10/23/91	4.00		1530	ug/L as Cr
Cr-VI	4/9/92	52.00		1200	ug/L as Cr
Cr-VI	10/14/92	1.00	<	950	ug/L as Cr
Cr-VI	4/6/93	9.00		1645	ug/L as Cr
Cr-VI	10/13/93	110.00		1250	ug/L as Cr
Cr-VI	4/25/94	3.00		1420	ug/L as Cr
Cr-VI	10/27/94	50.00		1245	ug/L as Cr
Cr-VI	4/7/95	15.00		1155	ug/L as Cr
Cr-VI	10/4/95	19.00		945	ug/L as Cr
Cr-VI	4/10/96	13.00		834	ug/L as Cr

Well Name :usgs-066

Analyte	Date	Value	Rem	Time	Units
Cr	4/22/91	12.00		1430	ug/L as Cr
Cr	4/29/92	16.00		1040	ug/L as Cr
Cr	10/28/92	1.00	<	1135	ug/L as Cr
Cr	4/24/93	1.00		1430	ug/L as Cr
Cr	10/22/93	49.00		1430	ug/L as Cr
Cr	7/28/94	100.00		1015	ug/L as Cr
Cr	7/17/95	49.00		1520	ug/L as Cr
Cr-VI	4/22/91	10.00		1430	ug/L as Cr
Cr-VI	4/29/92	1.00	<	1040	ug/L as Cr
Cr-VI	10/28/92	1.00	<	1135	ug/L as Cr
Cr-VI	4/24/93	1.00	<	1430	ug/L as Cr
Cr-VI	10/22/93	10.00	<	1430	ug/L as Cr
Cr-VI	7/28/94	60.00		1015	ug/L as Cr
Cr-VI	7/17/95	30.00		1520	ug/L as Cr

Well Name :usgs-068

Analyte	Date	Value	Rem	Time	Units
Cr	1/18/91	17.00		1450	ug/L as Cr
Cr	1/18/91	20.00		1450	ug/L as Cr
Cr	4/25/91	18.00		1700	ug/L as Cr
Cr	7/2/91	17.00		1100	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-068

Analyte	Date	Value	Rem	Time	Units
Cr	10/30/91	13.00		1245	ug/L as Cr
Cr	1/17/92	14.00		1210	ug/L as Cr
Cr	4/10/92	13.00		1430	ug/L as Cr
Cr	7/21/92	7.00		1530	ug/L as Cr
Cr	10/29/92	2.00		1450	ug/L as Cr
Cr	2/5/93	6.00		1430	ug/L as Cr
Cr	4/29/93	5.00		1210	ug/L as Cr
Cr	7/20/93	5.00		1235	ug/L as Cr
Cr	10/28/93	3.00		1445	ug/L as Cr
Cr	4/29/94	5.90		1445	ug/L as Cr
Cr	10/26/94	8.50		1500	ug/L as Cr
Cr	4/25/95	15.00	<	1230	ug/L as Cr
Cr	10/17/95	6.00		1200	ug/L as Cr
Cr-VI	1/18/91	1.00	<	1450	ug/L as Cr
Cr-VI	4/25/91	8.00		1700	ug/L as Cr
Cr-VI	7/2/91	1.00	<	1100	ug/L as Cr
Cr-VI	10/30/91	1.00		1245	ug/L as Cr
Cr-VI	1/17/92	1.00	<	1210	ug/L as Cr
Cr-VI	4/10/92	1.00	<	1430	ug/L as Cr
Cr-VI	7/21/92	1.00		1530	ug/L as Cr
Cr-VI	10/29/92	1.00	<	1450	ug/L as Cr
Cr-VI	2/5/93	1.00	<	1430	ug/L as Cr
Cr-VI	4/29/93	1.00	<	1210	ug/L as Cr
Cr-VI	7/20/93	1.00	<	1235	ug/L as Cr
Cr-VI	10/28/93	1.00	<	1445	ug/L as Cr
Cr-VI	4/29/94	1.00	<	1445	ug/L as Cr
Cr-VI	10/26/94	8.00		1500	ug/L as Cr
Cr-VI	4/25/95	1.00	<	1230	ug/L as Cr
Cr-VI	10/17/95	1.00		1200	ug/L as Cr

Well Name :usgs-069

Analyte	Date	Value	Rem	Time	Units
Cr	4/8/91	3.00		1630	ug/L as Cr
Cr	10/24/91	2.00		1520	ug/L as Cr
Cr	4/9/92	1.00		1520	ug/L as Cr
Cr	10/14/92	2.00		1210	ug/L as Cr
Cr	4/13/93	3.00		1415	ug/L as Cr
Cr	10/12/93	3.00		1415	ug/L as Cr
Cr	7/11/94	1.20		1251	ug/L as Cr
Cr	7/6/95	5.00	<	1126	ug/L as Cr
Cr-VI	4/8/91	1.00	<	1630	ug/L as Cr
Cr-VI	10/24/91	1.00	<	1520	ug/L as Cr
Cr-VI	4/9/92	1.00	<	1520	ug/L as Cr
Cr-VI	10/14/92	1.00	<	1210	ug/L as Cr
Cr-VI	4/13/93	1.00	<	1415	ug/L as Cr
Cr-VI	10/12/93	1.00	<	1415	ug/L as Cr
Cr-VI	7/11/94	1.00		1251	ug/L as Cr
Cr-VI	7/6/95	2.00		1126	ug/L as Cr

Well Name :usgs-070

Analyte	Date	Value	Rem	Time	Units
Cr	4/11/91	16.00		1245	ug/L as Cr
Cr	10/18/91	38.00		1435	ug/L as Cr
Cr	4/9/92	55.00		1700	ug/L as Cr
Cr	10/14/92	28.00		1330	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-070

Analyte	Date	Value	Rem	Time	Units
Cr	4/12/93	30.00		950	ug/L as Cr
Cr	10/7/93	29.00		1515	ug/L as Cr
Cr	10/27/94	28.00		1412	ug/L as Cr
Cr	4/12/95	34.00		1325	ug/L as Cr
Cr	10/6/95	31.00		1235	ug/L as Cr
Cr	4/15/96	33.00		1630	ug/L as Cr
Cr-VI	4/11/91	17.00		1245	ug/L as Cr
Cr-VI	10/18/91	23.00		1435	ug/L as Cr
Cr-VI	4/9/92	36.00		1700	ug/L as Cr
Cr-VI	10/14/92	9.00		1330	ug/L as Cr
Cr-VI	4/12/93	23.00		950	ug/L as Cr
Cr-VI	10/7/93	26.00		1515	ug/L as Cr
Cr-VI	10/27/94	23.00		1412	ug/L as Cr
Cr-VI	4/12/95	12.00		1325	ug/L as Cr
Cr-VI	10/6/95	22.00		1235	ug/L as Cr
Cr-VI	4/15/96	15.00		1630	ug/L as Cr

Well Name :usgs-071

Analyte	Date	Value	Rem	Time	Units
Cr	4/22/91	62.00		1300	ug/L as Cr
Cr	10/29/91	51.00		1330	ug/L as Cr
Cr	4/22/92	53.00		940	ug/L as Cr
Cr	10/15/92	35.00		1045	ug/L as Cr
Cr	4/13/93	40.00		1115	ug/L as Cr
Cr	10/12/93	50.00		1140	ug/L as Cr
Cr	4/19/94	53.00		1325	ug/L as Cr
Cr	10/31/94	72.00		1005	ug/L as Cr
Cr	4/13/95	71.00		1025	ug/L as Cr
Cr	10/6/95	75.00		1105	ug/L as Cr
Cr	4/22/96	55.00		1650	ug/L as Cr
Cr-VI	4/22/91	58.00		1300	ug/L as Cr
Cr-VI	10/29/91	30.00		1330	ug/L as Cr
Cr-VI	4/22/92	27.00		940	ug/L as Cr
Cr-VI	10/15/92	8.00		1045	ug/L as Cr
Cr-VI	4/13/93	26.00		1115	ug/L as Cr
Cr-VI	10/12/93	40.00		1140	ug/L as Cr
Cr-VI	4/19/94	28.00		1325	ug/L as Cr
Cr-VI	10/31/94	55.00		1005	ug/L as Cr
Cr-VI	4/13/95	35.00		1025	ug/L as Cr
Cr-VI	10/6/95	56.00		1105	ug/L as Cr
Cr-VI	4/22/96	30.00		1650	ug/L as Cr

Well Name :usgs-072

Analyte	Date	Value	Rem	Time	Units
Cr	4/25/91	2.00		1600	ug/L as Cr
Cr	10/30/91	3.00		1155	ug/L as Cr
Cr	4/10/92	2.00		1320	ug/L as Cr
Cr	10/29/92	3.00		1330	ug/L as Cr
Cr	4/5/93	1.00	<	1215	ug/L as Cr
Cr	10/28/93	1.00	<	1000	ug/L as Cr
Cr	7/6/94	2.10		1340	ug/L as Cr
Cr	7/11/95	5.00	<	1400	ug/L as Cr
Cr-VI	4/25/91	2.00		1600	ug/L as Cr
Cr-VI	10/30/91	1.00	<	1155	ug/L as Cr
Cr-VI	4/10/92	1.00	<	1320	ug/L as Cr

USGS Dissolved Chromium Data for TRA Deep Perched Wells

Well Name :usgs-072

Analyte	Date	Value	Rem	Time	Units
Cr-VI	10/29/92	1.00	<	1330	ug/L as Cr
Cr-VI	4/5/93	1.00	<	1215	ug/L as Cr
Cr-VI	10/28/93	1.00	<	1000	ug/L as Cr
Cr-VI	7/6/94	1.00	<	1340	ug/L as Cr
Cr-VI	7/11/95	1.00		1400	ug/L as Cr

Well Name :usgs-073

Analyte	Date	Value	Rem	Time	Units
Cr	4/15/91	86.00		1500	ug/L as Cr
Cr	10/24/91	73.00		1105	ug/L as Cr
Cr	4/13/92	71.00		1730	ug/L as Cr
Cr	10/28/92	29.00		1500	ug/L as Cr
Cr	4/19/93	57.00		1840	ug/L as Cr
Cr	10/18/93	95.00		1200	ug/L as Cr
Cr	5/3/94	100.00		1315	ug/L as Cr
Cr	10/21/94	100.00		1610	ug/L as Cr
Cr	4/27/95	85.00		1300	ug/L as Cr
Cr	10/19/95	78.00		1035	ug/L as Cr
Cr	4/25/96	83.00		1430	ug/L as Cr
Cr-VI	4/15/91	110.00		1500	ug/L as Cr
Cr-VI	10/24/91	24.00		1105	ug/L as Cr
Cr-VI	4/13/92	56.00		1730	ug/L as Cr
Cr-VI	10/28/92	4.00		1500	ug/L as Cr
Cr-VI	4/19/93	9.00		1840	ug/L as Cr
Cr-VI	10/18/93	70.00		1200	ug/L as Cr
Cr-VI	5/3/94	10.00		1315	ug/L as Cr
Cr-VI	10/21/94	80.00		1610	ug/L as Cr
Cr-VI	4/27/95	45.00		1300	ug/L as Cr
Cr-VI	10/19/95	23.00		1035	ug/L as Cr
Cr-VI	4/25/96	50.00		1430	ug/L as Cr

Well Name :usgs-074

Analyte	Date	Value	Rem	Time	Units
Cr	4/26/91	95.00		1510	ug/L as Cr
Cr	10/28/91	85.00		1525	ug/L as Cr
Cr	4/22/92	82.00		1040	ug/L as Cr
Cr-VI	4/26/91	100.00		1510	ug/L as Cr
Cr-VI	10/28/91	50.00		1525	ug/L as Cr
Cr-VI	4/22/92	60.00		1040	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : hwy-3

Analyte : Cr

Date	Value	Rem	Time	Units
10/11/94	1.90		905	ug/L as Cr
4/14/95	5.00	<	958	ug/L as Cr
10/16/95	5.00	<	820	ug/L as Cr
4/16/96	5.00		925	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
10/11/94	1.00		905	ug/L as Cr
4/14/95	1.00	<	958	ug/L as Cr
10/16/95	1.00		820	ug/L as Cr
4/16/96	2.00		925	ug/L as Cr

Inel Name : mtr-test

Analyte : Cr

Date	Value	Rem	Time	Units
4/3/91	4.00		1000	ug/L as Cr
10/2/91	3.00		1455	ug/L as Cr
4/9/92	5.00		1140	ug/L as Cr
10/7/92	6.00		1515	ug/L as Cr
4/24/93	5.00		1001	ug/L as Cr
10/19/93	4.00		1455	ug/L as Cr
4/14/94	5.60		1100	ug/L as Cr
9/28/94	5.00		1400	ug/L as Cr
4/26/95	7.00		1046	ug/L as Cr
10/26/95	7.00		1415	ug/L as Cr
4/17/96	5.00		1015	ug/L as Cr
4/17/96	5.00	<	1200	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/3/91	1.00		1000	ug/L as Cr
10/2/91	4.00		1455	ug/L as Cr
4/9/92	1.00	<	1140	ug/L as Cr
10/7/92	1.00	<	1515	ug/L as Cr
4/24/93	1.00	<	1001	ug/L as Cr
10/19/93	3.00		1455	ug/L as Cr
4/14/94	3.00		1100	ug/L as Cr
9/28/94	1.00		1400	ug/L as Cr
4/26/95	1.00	<	1046	ug/L as Cr
10/26/95	3.00		1415	ug/L as Cr
4/17/96	2.00		1015	ug/L as Cr
4/17/96	3.00		1200	ug/L as Cr

Inel Name : site-19

Analyte : Cr

Date	Value	Rem	Time	Units
4/2/91	1.00		1330	ug/L as Cr
5/9/91	5.00	<	1345	ug/L as Cr
10/22/91	3.00		1732	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : site-19

Analyte : Cr

Date	Value	Rem	Time	Units
4/7/92	2.00		1420	ug/L as Cr
10/7/92	2.00		1350	ug/L as Cr
4/26/93	4.00		1835	ug/L as Cr
10/14/93	2.00		1515	ug/L as Cr
7/8/94	3.90		1325	ug/L as Cr
7/6/95	5.00	<	1744	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/2/91	1.00		1330	ug/L as Cr
5/9/91	3.00		1345	ug/L as Cr
10/22/91	1.00		1732	ug/L as Cr
4/7/92	1.00	<	1420	ug/L as Cr
10/7/92	1.00	<	1350	ug/L as Cr
4/26/93	3.00		1835	ug/L as Cr
10/14/93	1.00		1515	ug/L as Cr
7/8/94	1.00		1325	ug/L as Cr
7/6/95	1.00	<	1744	ug/L as Cr

Inel Name : tra-01

Analyte : Cr

Date	Value	Rem	Time	Units
4/25/91	3.00		1040	ug/L as Cr
10/30/91	1.00		1020	ug/L as Cr
4/10/92	3.00		1040	ug/L as Cr
11/2/92	3.00		1015	ug/L as Cr
4/5/93	1.00	<	958	ug/L as Cr
10/4/93	1.00		1025	ug/L as Cr
7/6/94	3.10		928	ug/L as Cr
7/11/95	5.00	<	1425	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/25/91	2.00		1040	ug/L as Cr
10/30/91	2.00		1020	ug/L as Cr
4/10/92	1.00	<	1040	ug/L as Cr
11/2/92	1.00		1015	ug/L as Cr
4/5/93	2.00		958	ug/L as Cr
10/4/93	2.00		1025	ug/L as Cr
7/6/94	1.00		928	ug/L as Cr
7/11/95	2.00		1425	ug/L as Cr

Inel Name : tra-03

Analyte : Cr

Date	Value	Rem	Time	Units
4/25/91	2.00		1420	ug/L as Cr
10/30/91	3.00		1438	ug/L as Cr
4/10/92	4.00		1525	ug/L as Cr
11/2/92	3.00		913	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : tra-03

Analyte : Cr

Date	Value	Rem	Time	Units
4/5/93	3.00		905	ug/L as Cr
7/11/95	5.00	<	934	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/25/91	2.00		1420	ug/L as Cr
10/30/91	1.00		1438	ug/L as Cr
4/10/92	1.00		1525	ug/L as Cr
11/2/92	2.00		913	ug/L as Cr
4/5/93	1.00	<	905	ug/L as Cr
7/11/95	1.00		934	ug/L as Cr

Inel Name : tra-04

Analyte : Cr

Date	Value	Rem	Time	Units
4/25/91	4.00		1015	ug/L as Cr
10/30/91	3.00		1003	ug/L as Cr
4/10/92	2.00		1015	ug/L as Cr
11/2/92	3.00		952	ug/L as Cr
4/5/93	2.00		1030	ug/L as Cr
10/4/93	2.00		926	ug/L as Cr
7/6/94	3.60		1108	ug/L as Cr
7/11/95	5.00	<	1120	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/25/91	1.00	<	1015	ug/L as Cr
10/30/91	2.00		1003	ug/L as Cr
4/10/92	1.00	<	1015	ug/L as Cr
11/2/92	2.00		952	ug/L as Cr
4/5/93	3.00		1030	ug/L as Cr
10/4/93	2.00		926	ug/L as Cr
7/6/94	1.00	<	1108	ug/L as Cr
7/11/95	2.00		1120	ug/L as Cr

Inel Name : tra-disp

Analyte : Cr

Date	Value	Rem	Time	Units
1/18/91	10.00		1410	ug/L as Cr
4/25/91	13.00		1810	ug/L as Cr
7/2/91	12.00		1430	ug/L as Cr
10/30/91	10.00		1645	ug/L as Cr
1/17/92	11.00		915	ug/L as Cr
4/24/92	10.00		915	ug/L as Cr
8/4/92	23.00		815	ug/L as Cr
10/29/92	9.00		1030	ug/L as Cr
2/5/93	12.00		1000	ug/L as Cr
4/29/93	8.00		930	ug/L as Cr
7/20/93	10.00		915	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : tra-disp

Analyte : Cr

Date	Value	Rem	Time	Units
10/28/93	10.00		825	ug/L as Cr
4/29/94	12.00		905	ug/L as Cr
10/26/94	12.00		905	ug/L as Cr
4/25/95	14.00		850	ug/L as Cr
10/17/95	13.00		750	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
1/18/91	1.00	<	1410	ug/L as Cr
4/25/91	10.00		1810	ug/L as Cr
7/2/91	1.00		1430	ug/L as Cr
10/30/91	5.00		1645	ug/L as Cr
1/17/92	10.00		915	ug/L as Cr
4/24/92	3.00		915	ug/L as Cr
8/4/92	17.00		815	ug/L as Cr
10/29/92	5.00		1030	ug/L as Cr
2/5/93	9.00		1000	ug/L as Cr
4/29/93	11.00		930	ug/L as Cr
7/20/93	10.00		915	ug/L as Cr
10/28/93	8.00		825	ug/L as Cr
4/29/94	9.00		905	ug/L as Cr
10/26/94	13.00		905	ug/L as Cr
4/25/95	3.00		850	ug/L as Cr
10/17/95	16.00		750	ug/L as Cr

Inel Name : usgs-058

Analyte : Cr

Date	Value	Rem	Time	Units
4/3/91	10.00		1150	ug/L as Cr
10/8/92	8.00		1430	ug/L as Cr
4/19/93	9.00		1608	ug/L as Cr
10/21/93	10.00		1235	ug/L as Cr
4/19/94	10.00		1042	ug/L as Cr
10/18/94	13.00		1404	ug/L as Cr
4/11/95	13.00		1050	ug/L as Cr
10/30/95	15.00		1305	ug/L as Cr
4/1/96	13.00		1640	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/3/91	10.00		1150	ug/L as Cr
10/8/92	8.00		1430	ug/L as Cr
4/19/93	8.00		1608	ug/L as Cr
10/21/93	8.00		1235	ug/L as Cr
4/19/94	7.00		1042	ug/L as Cr
10/18/94	10.00		1404	ug/L as Cr
4/11/95	16.00		1050	ug/L as Cr
10/30/95	11.00		1305	ug/L as Cr
4/1/96	22.00		1640	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : usgs-065

Analyte : Cr

Date	Value	Rem	Time	Units
1/11/91	200.00		1310	ug/L as Cr
4/2/91	200.00		1115	ug/L as Cr
5/16/91	190.00		1020	ug/L as Cr
7/22/91	190.00		1255	ug/L as Cr
10/15/91	200.00		1425	ug/L as Cr
1/15/92	190.00		1430	ug/L as Cr
4/13/92	190.00		1225	ug/L as Cr
7/14/92	180.00		1220	ug/L as Cr
10/7/92	180.00		915	ug/L as Cr
4/15/93	180.00		1030	ug/L as Cr
7/16/93	160.00		1746	ug/L as Cr
10/8/93	170.00		958	ug/L as Cr
1/12/94	210.00		1536	ug/L as Cr
4/15/94	143.00		1335	ug/L as Cr
7/12/94	180.00		1300	ug/L as Cr
10/12/94	180.00		946	ug/L as Cr
1/10/95	180.00		1358	ug/L as Cr
4/12/95	176.00		1326	ug/L as Cr
7/11/95	180.00		1330	ug/L as Cr
1/3/96	190.00		1020	ug/L as Cr
4/10/96	178.00		1325	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
1/11/91	130.00		1310	ug/L as Cr
4/2/91	140.00		1115	ug/L as Cr
5/16/91	160.00		1020	ug/L as Cr
7/22/91	140.00		1255	ug/L as Cr
10/15/91	170.00		1425	ug/L as Cr
1/15/92	180.00		1430	ug/L as Cr
4/13/92	160.00		1225	ug/L as Cr
7/14/92	190.00		1220	ug/L as Cr
10/7/92	180.00		915	ug/L as Cr
4/15/93	250.00		1030	ug/L as Cr
7/16/93	170.00		1746	ug/L as Cr
10/8/93	140.00		958	ug/L as Cr
1/12/94	150.00		1536	ug/L as Cr
4/15/94	140.00		1335	ug/L as Cr
7/12/94	130.00		1300	ug/L as Cr
10/12/94	190.00		946	ug/L as Cr
1/10/95	190.00		1358	ug/L as Cr
4/12/95	200.00		1326	ug/L as Cr
7/11/95	110.00		1330	ug/L as Cr
1/3/96	160.00		1020	ug/L as Cr
4/10/96	93.00		1325	ug/L as Cr

Inel Name : usgs-076

Analyte : Cr

Date	Value	Rem	Time	Units
1/15/91	10.00		1435	ug/L as Cr
4/3/91	10.00		1400	ug/L as Cr
7/17/91	11.00		1550	ug/L as Cr
10/2/91	10.00		1125	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : usgs-076

Analyte : Cr

Date	Value	Rem	Time	Units
4/13/92	12.00		955	ug/L as Cr
10/8/92	10.00		1545	ug/L as Cr
4/26/93	11.00		1215	ug/L as Cr
10/21/93	11.00		1125	ug/L as Cr
4/26/94	11.00		1107	ug/L as Cr
10/12/94	16.00		1505	ug/L as Cr
4/11/95	12.00		1210	ug/L as Cr
10/30/95	13.00		1020	ug/L as Cr
4/3/96	13.00		1535	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
1/15/91	5.00		1435	ug/L as Cr
4/3/91	10.00		1400	ug/L as Cr
7/17/91	4.00		1550	ug/L as Cr
10/2/91	12.00		1125	ug/L as Cr
4/13/92	5.00		955	ug/L as Cr
10/8/92	10.00		1545	ug/L as Cr
4/26/93	1.00	<	1215	ug/L as Cr
10/21/93	10.00		1125	ug/L as Cr
4/26/94	13.00		1107	ug/L as Cr
10/12/94	10.00		1505	ug/L as Cr
4/11/95	15.00		1210	ug/L as Cr
10/30/95	11.00		1020	ug/L as Cr
4/3/96	13.00		1535	ug/L as Cr

Inel Name : usgs-079

Analyte : Cr

Date	Value	Rem	Time	Units
4/2/91	5.00		1505	ug/L as Cr
10/2/91	6.00		950	ug/L as Cr
4/9/92	6.00		945	ug/L as Cr
10/8/92	6.00		1235	ug/L as Cr
4/28/93	6.00		1657	ug/L as Cr
10/19/93	5.00		1300	ug/L as Cr
4/14/94	6.50		940	ug/L as Cr
10/18/94	6.10		1010	ug/L as Cr
4/11/95	8.00		945	ug/L as Cr
10/30/95	6.00		1145	ug/L as Cr
4/2/96	5.00	<	1200	ug/L as Cr
4/2/96	8.00		1120	ug/L as Cr

Analyte : Cr-VI

Date	Value	Rem	Time	Units
4/2/91	5.00		1505	ug/L as Cr
10/2/91	4.00		950	ug/L as Cr
4/9/92	2.00		945	ug/L as Cr
10/8/92	3.00		1235	ug/L as Cr
4/28/93	1.00	<	1657	ug/L as Cr
10/19/93	3.00		1300	ug/L as Cr
4/14/94	3.00		940	ug/L as Cr

USGS Aquifer Dissolved Chromium Data

Inel Name : usgs-079

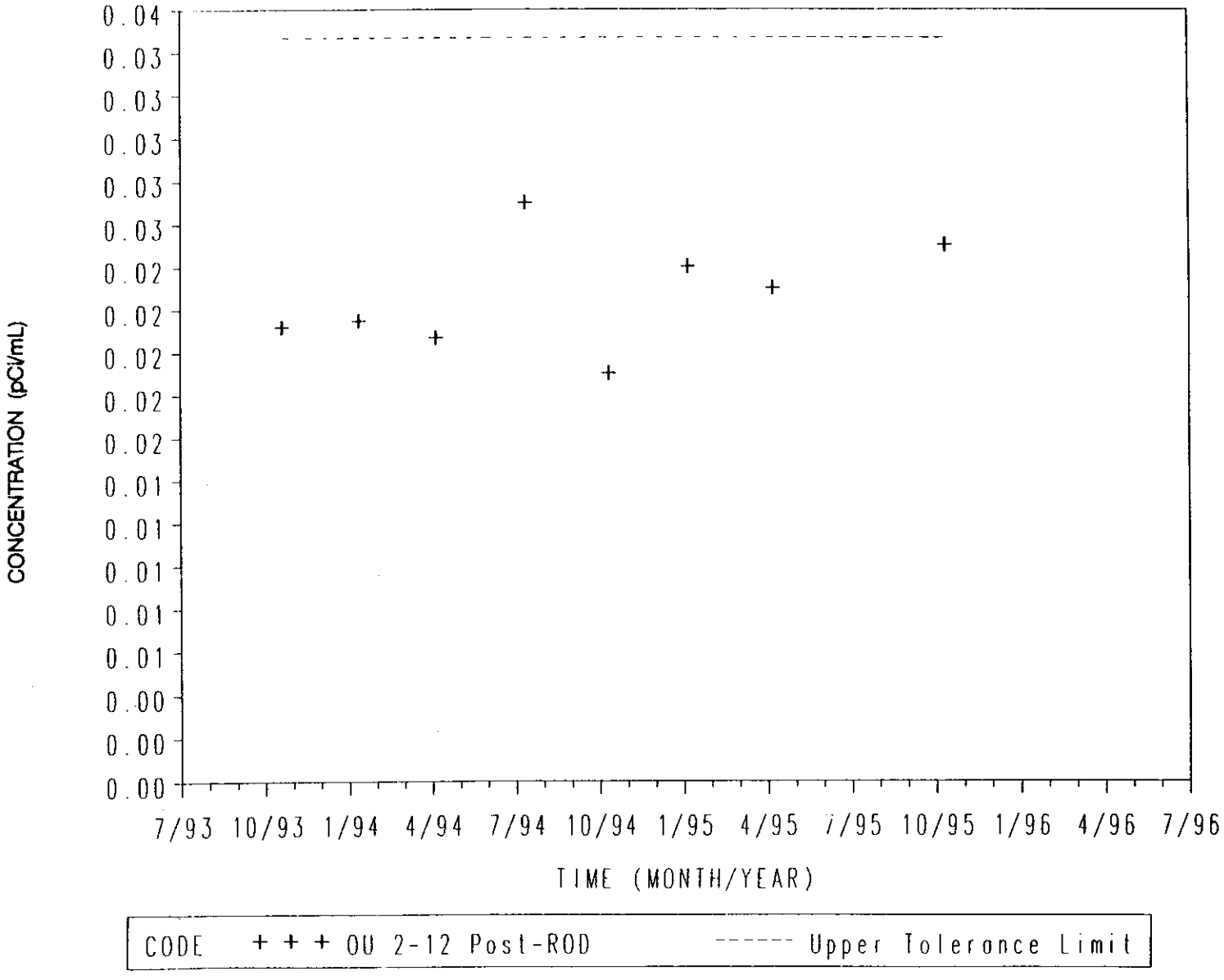
Analyte : Cr-VI

Date	Value	Rem	Time	Units
10/18/94	1.00		1010	ug/L as Cr
4/11/95	8.00		945	ug/L as Cr
10/30/95	1.00		1145	ug/L as Cr
4/2/96	5.00		1120	ug/L as Cr
4/2/96	8.00		1200	ug/L as Cr

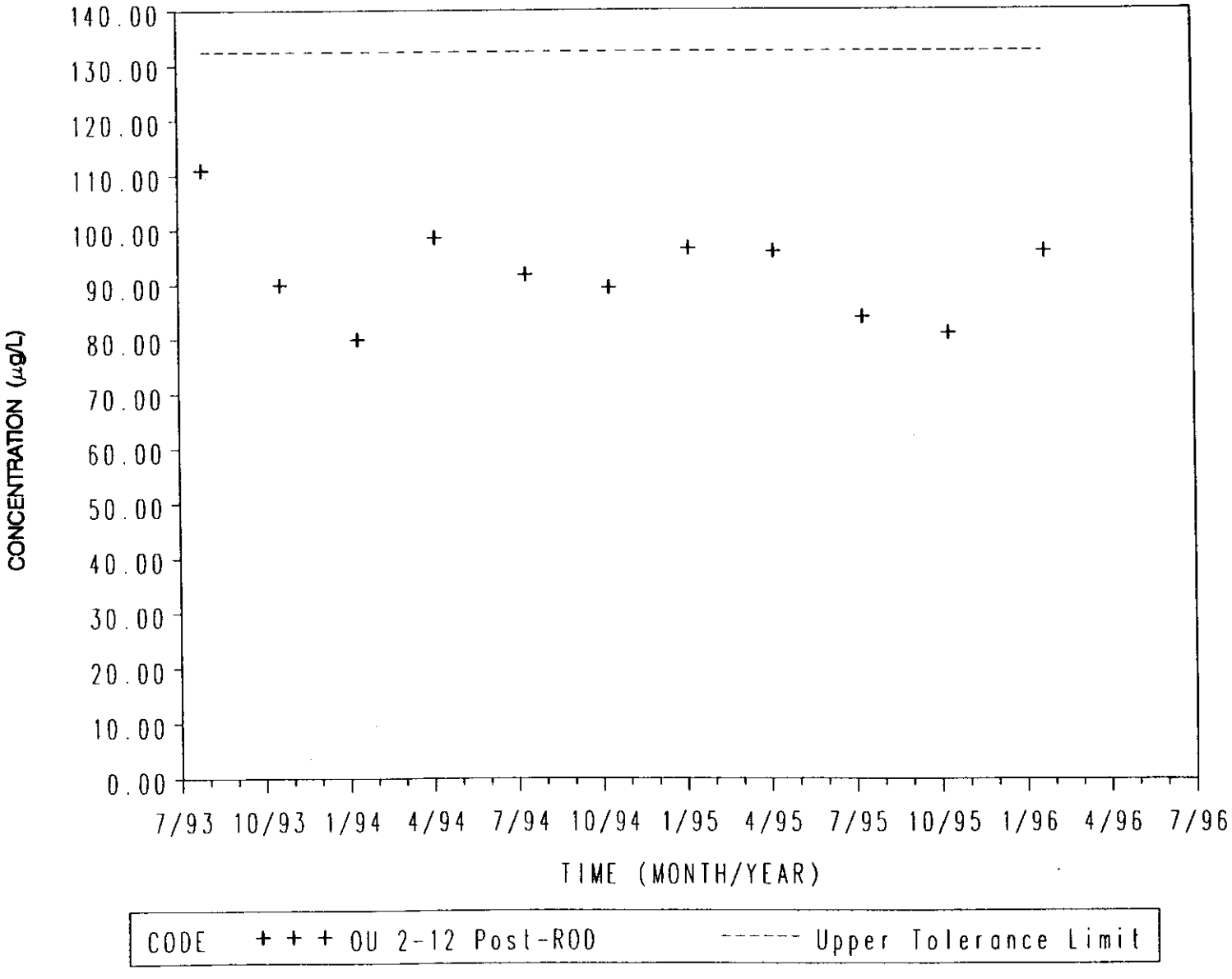
APPENDIX D - CONTAMINANT CONCENTRATION PLOTS

OU 2-12 Contaminant Plots

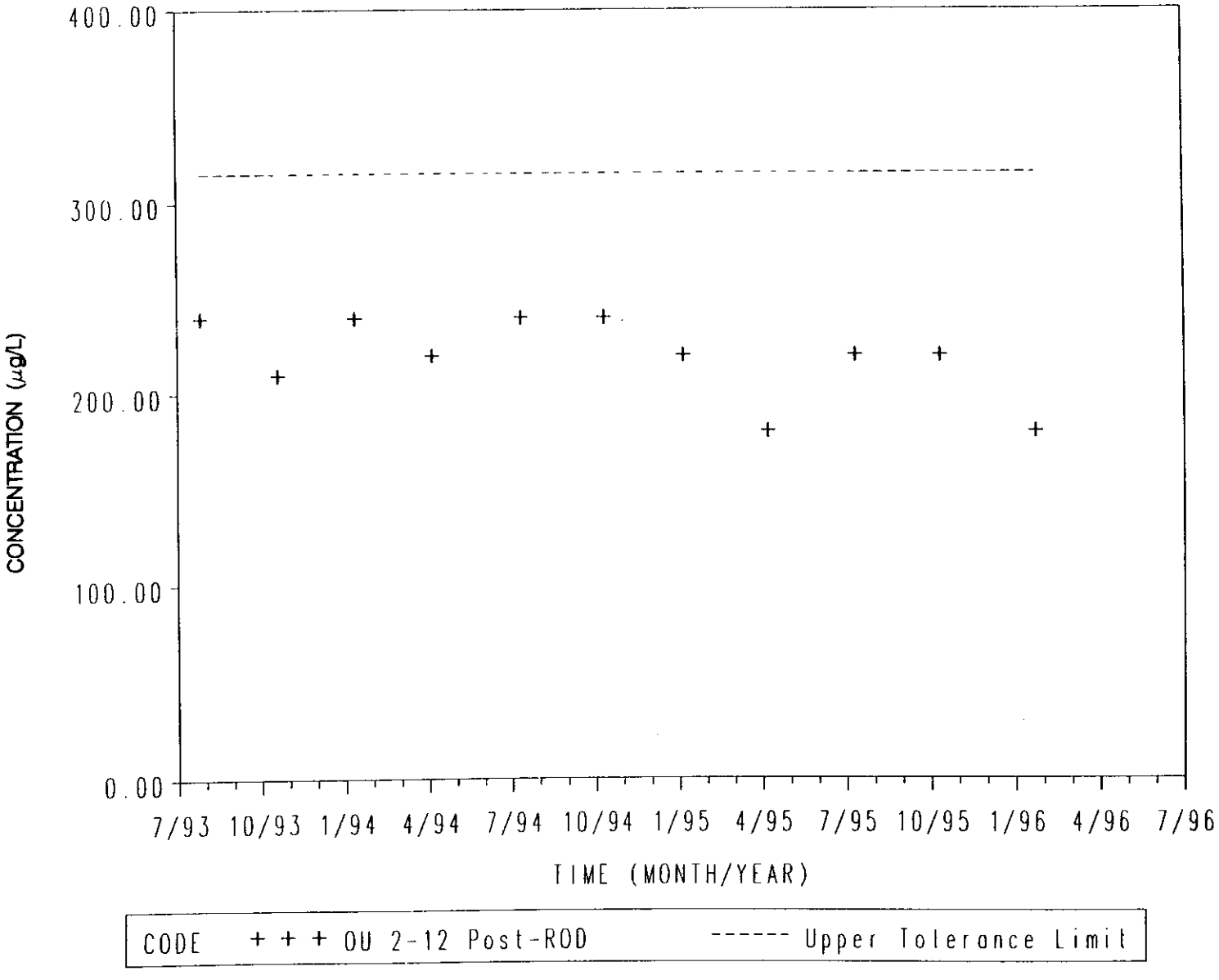
Concentration versus time plots for contaminant of concern results from the OU 2-12 wells are included for each contaminant with a sufficient number of data points to calculate upper tolerance limits, as discussed in Section 5.


Well PW-11 Data For CO-60
CONCENTRATION (pCi/mL)
0.04
0.03
0.03
0.03
0.03
0.03
0.02
0.02
0.02
0.02
0.02
0.01
0.01
0.01
0.01
0.01
0.00
0.00
0.00
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD
------ Upper Tolerance Limit

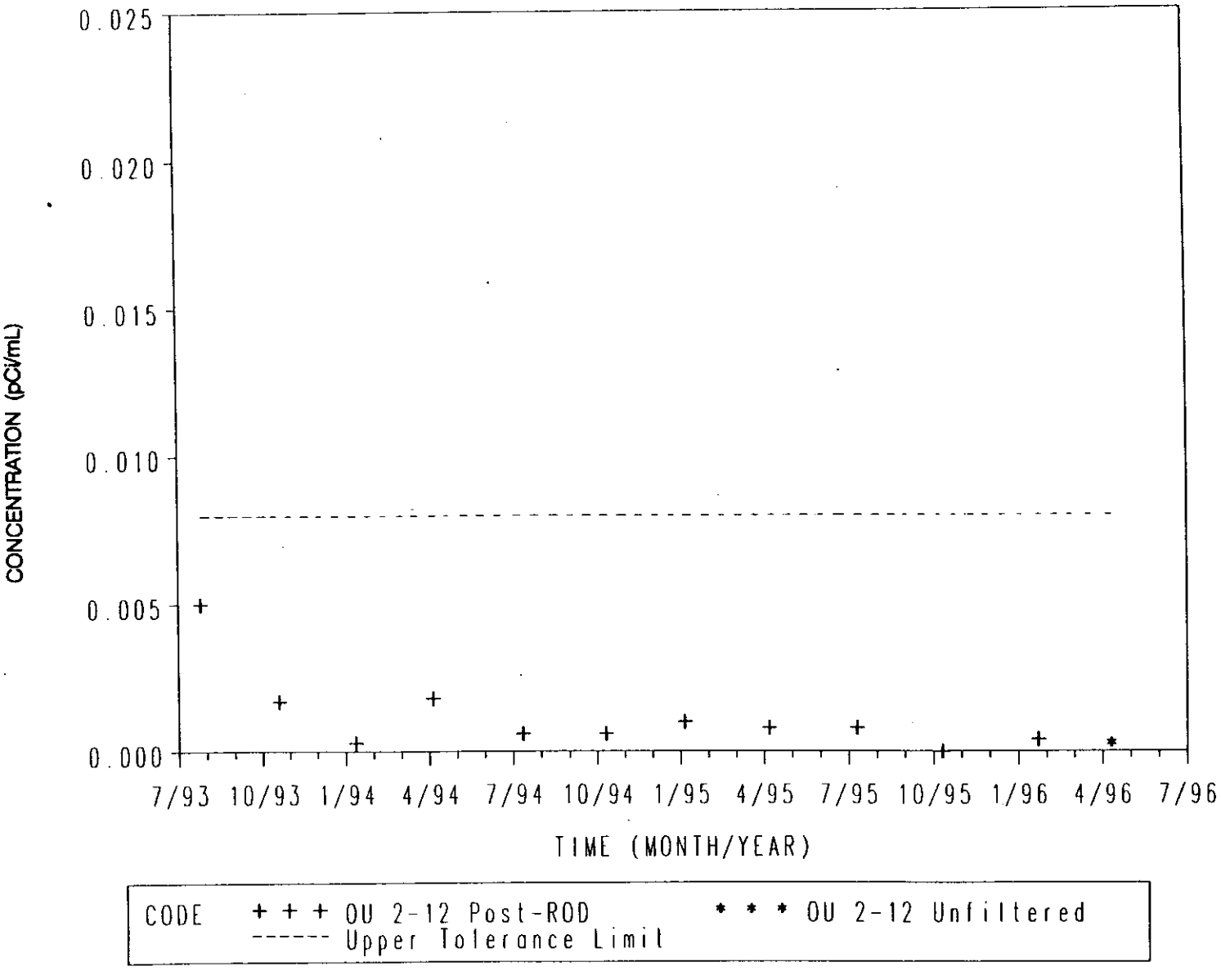
Well PW-11 Data For Chromium Hexavalent

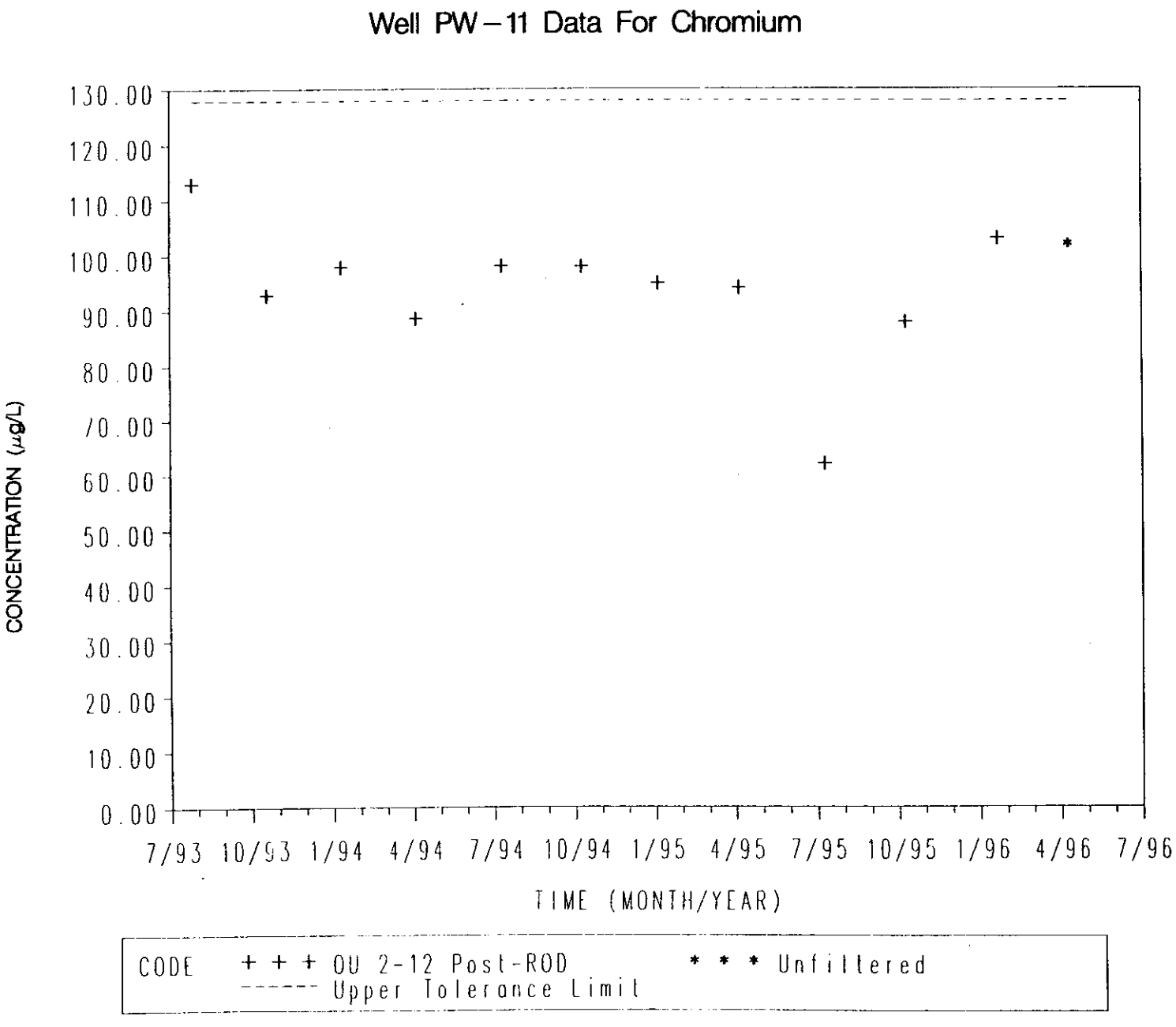


Well PW-11 Data For Fluoride

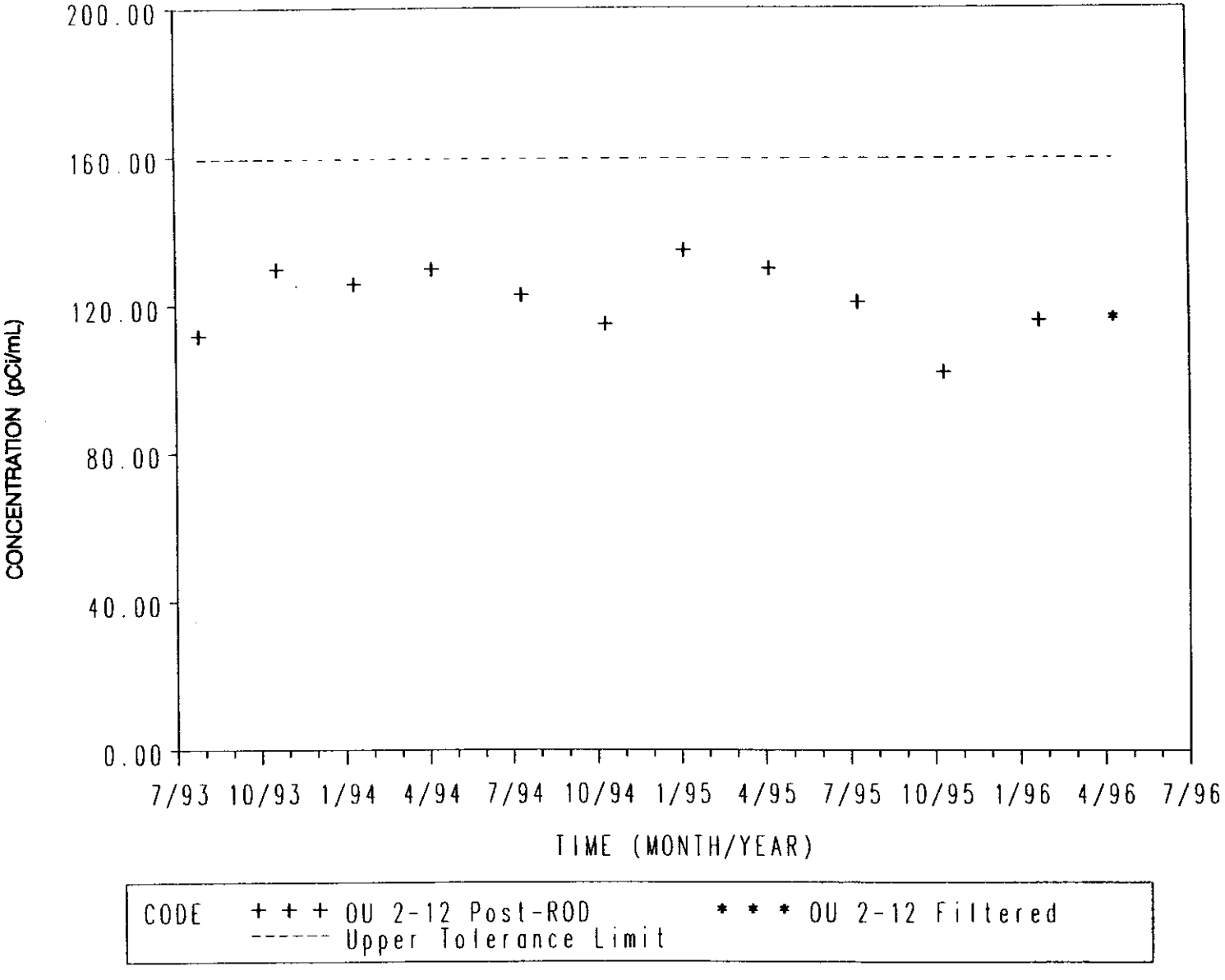


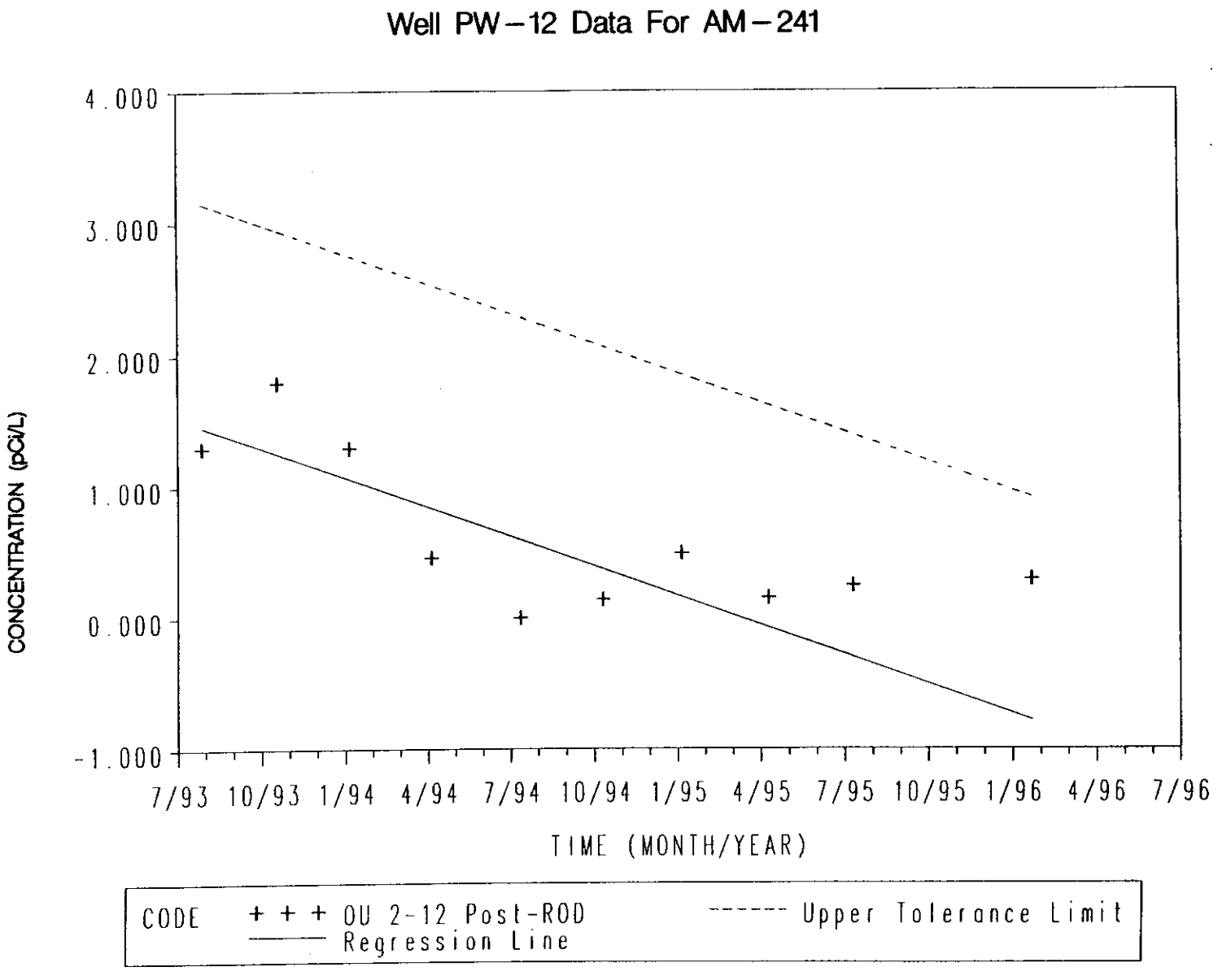
Well PW-11 Data For SR-90




Well PW-11 Data For Chromium
130.00
120.00
110.00
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
CONCENTRATION (µg/L)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE
+ + + OU 2-12 Post-ROD
* * * Unfiltered
----- Upper Tolerance Limit

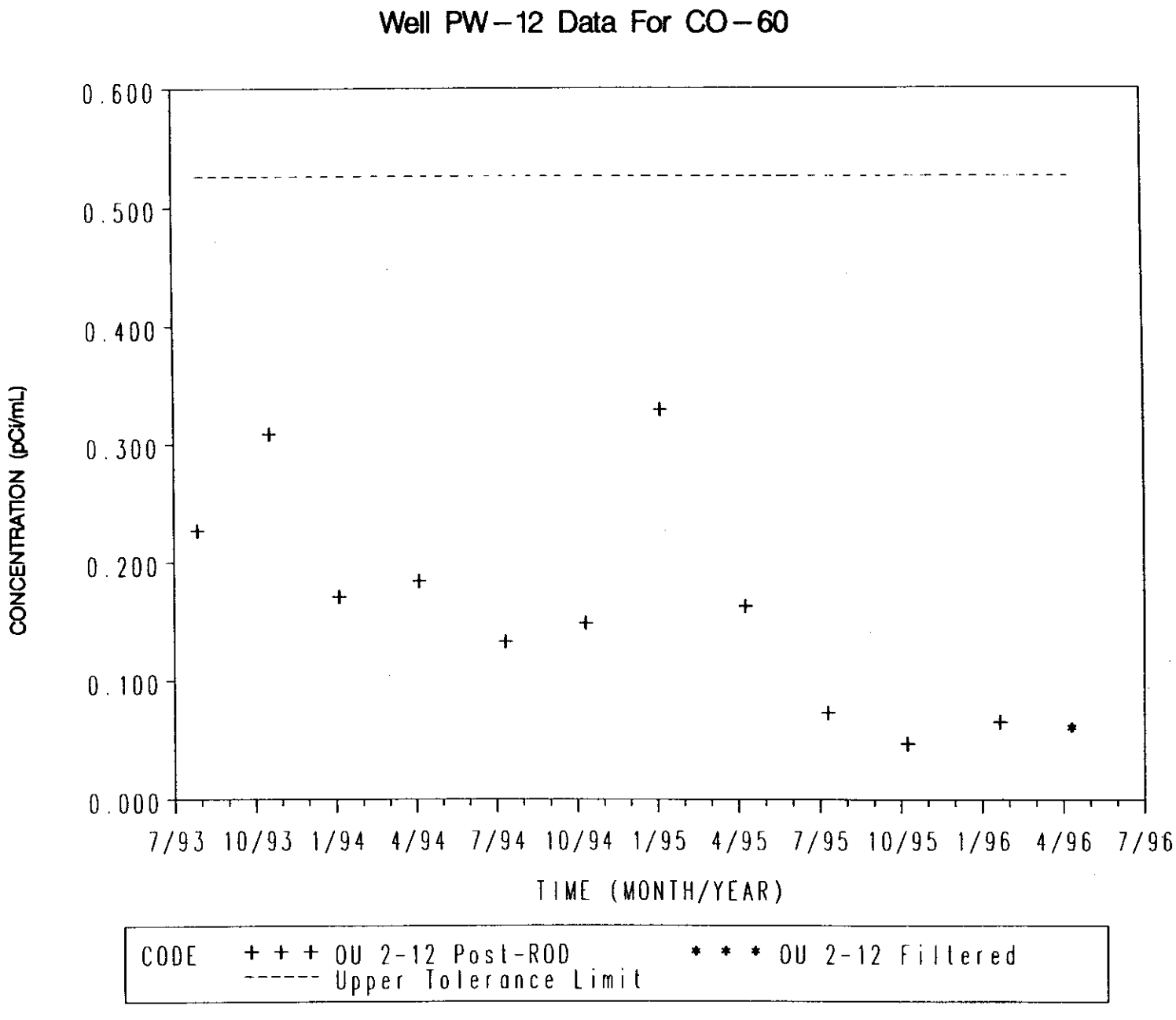
Well PW-11 Data For Tritium

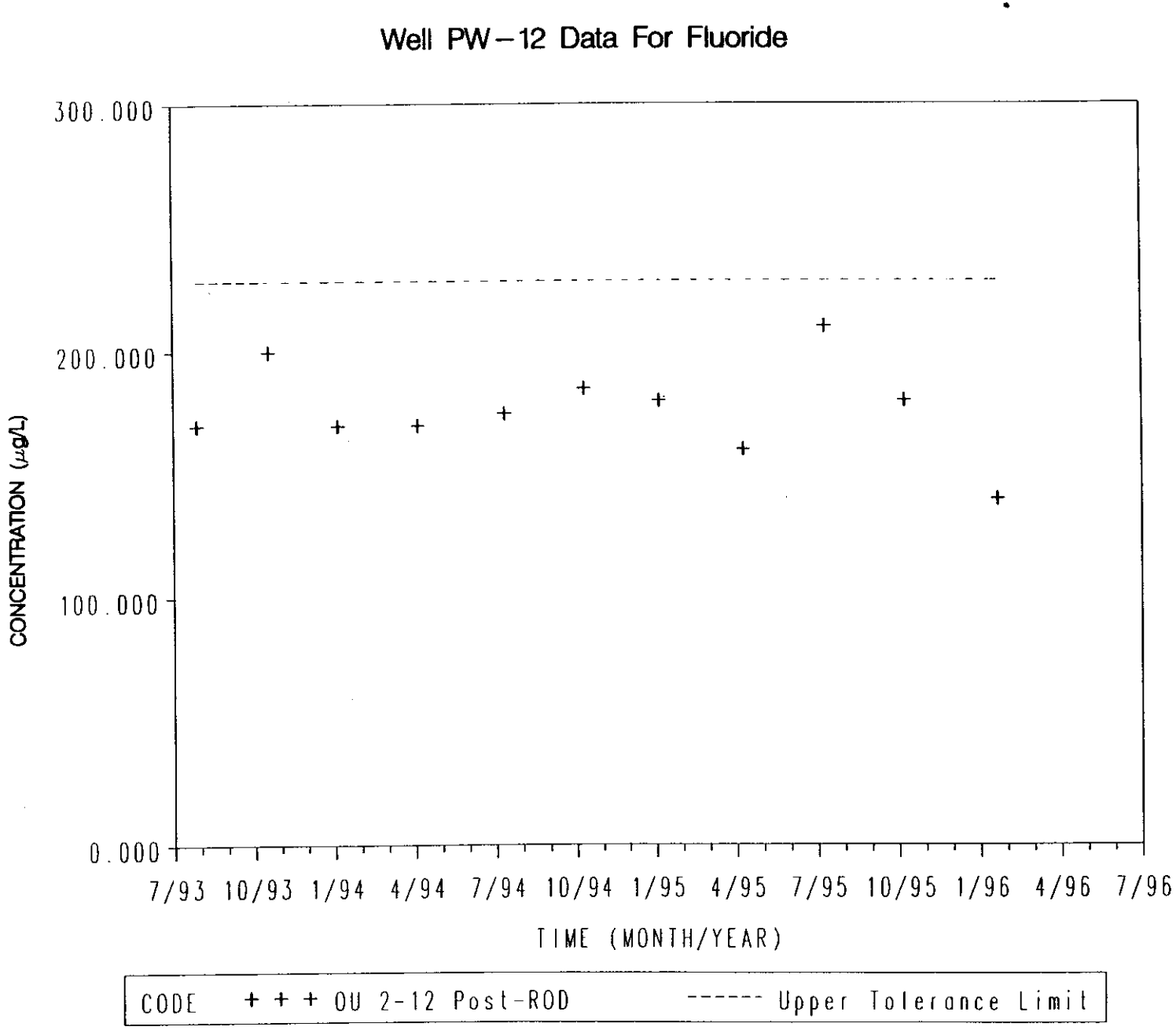




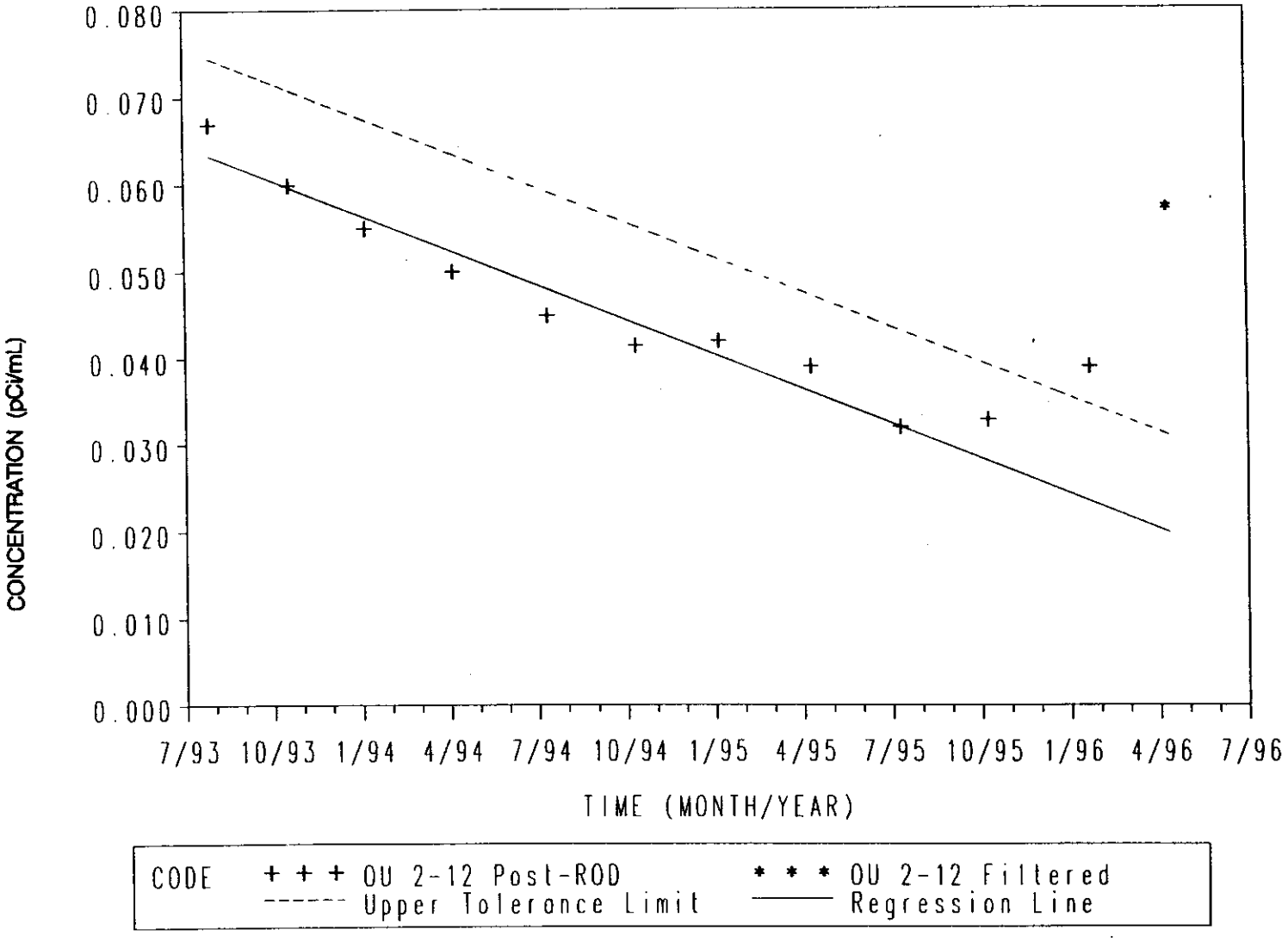
y = -0.00247x + 31.72

R Squared = 0.65


Well PW-12 Data For CO-60
0.600
0.500
0.400
0.300
0.200
0.100
0.000
CONCENTRATION (pCi/mL)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE
+ + + OU 2-12 Post-ROD
* * * OU 2-12 Filtered
------ Upper Tolerance Limit

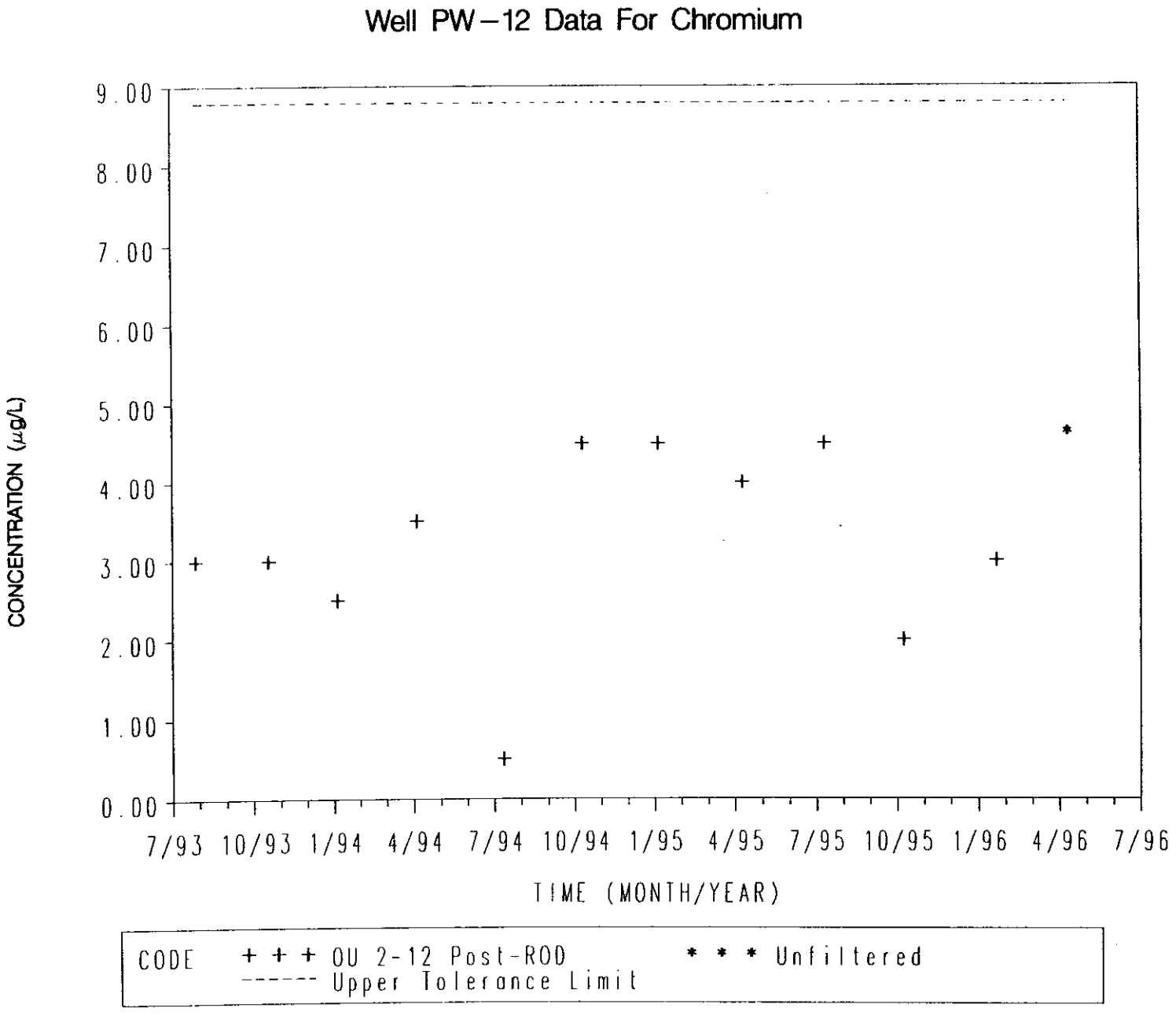

Well PW-12 Data For Fluoride
300.000
200.000
100.000
0.000
CONCENTRATION (µg/L)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD
------ Upper Tolerance Limit

Well PW-12 Data For SR-90

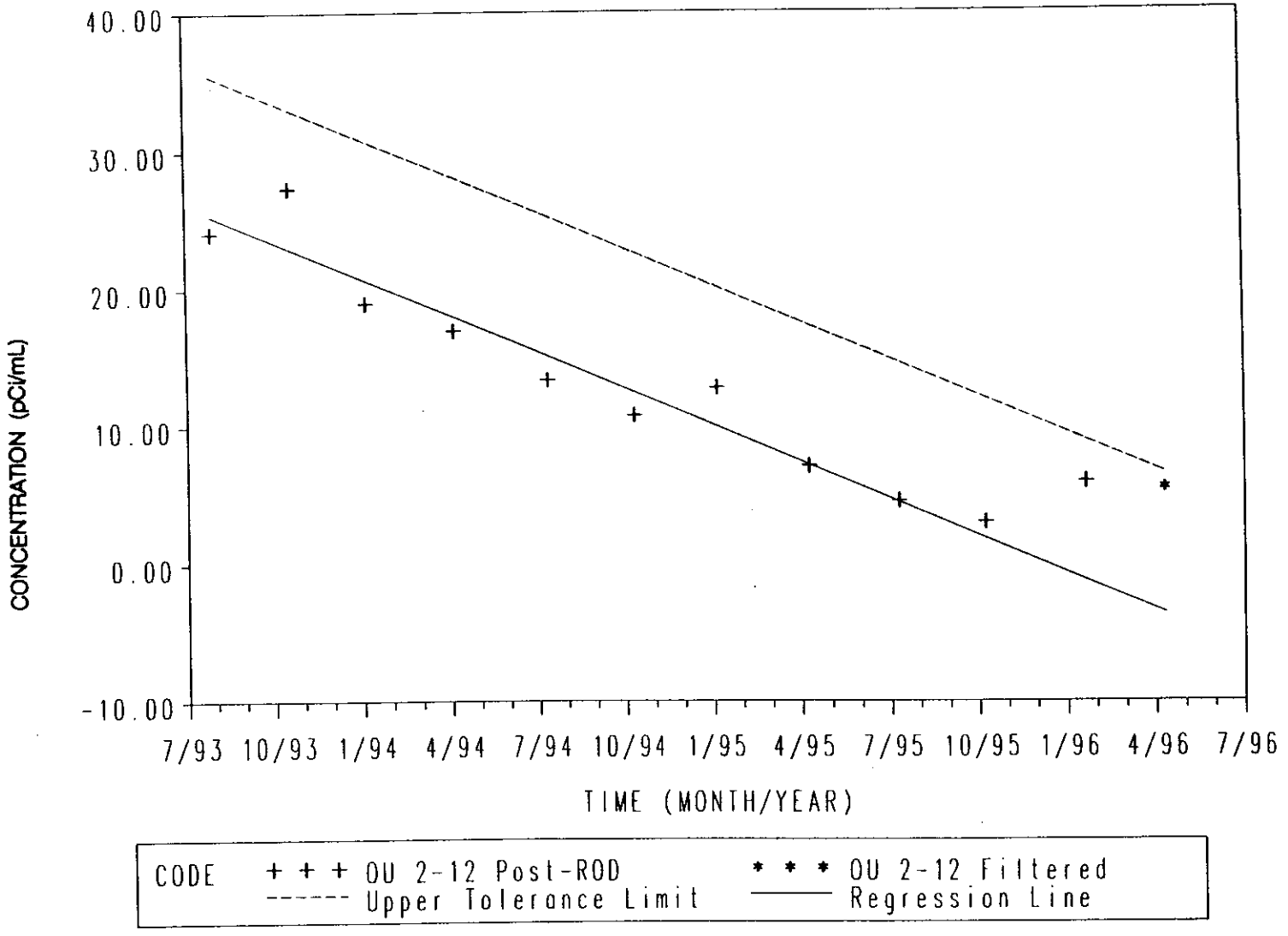


y = -0.00004x + 0.6

R Squared = 0.93


Well PW-12 Data For Chromium
CONCENTRATION (µg/L)
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
7/93 10/93 1/94 4/94 7/94 10/94 1/95 4/95 7/95 10/95 1/96 4/96 7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD * * * Unfiltered
------ Upper Tolerance Limit

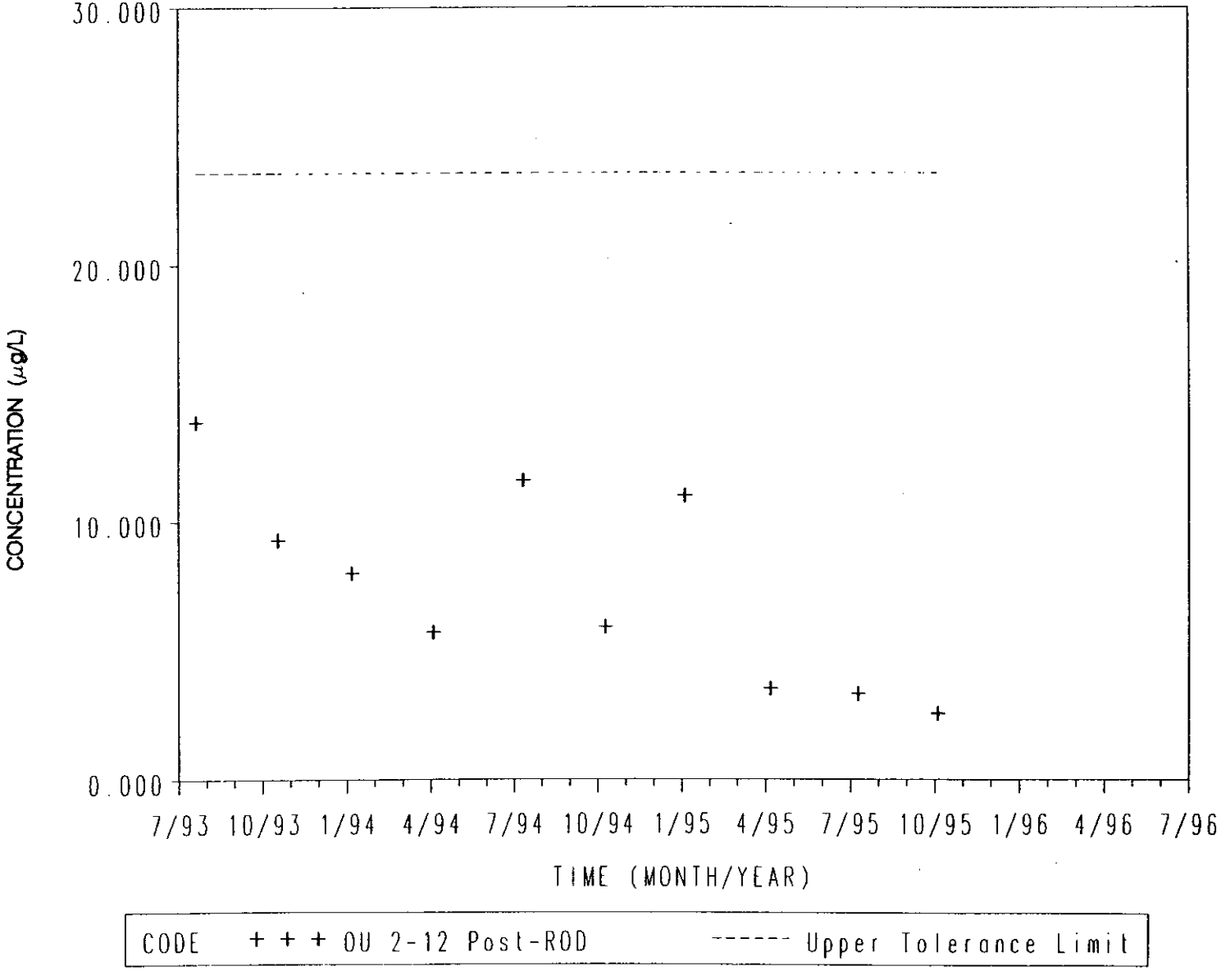
Well PW-12 Data For Tritium

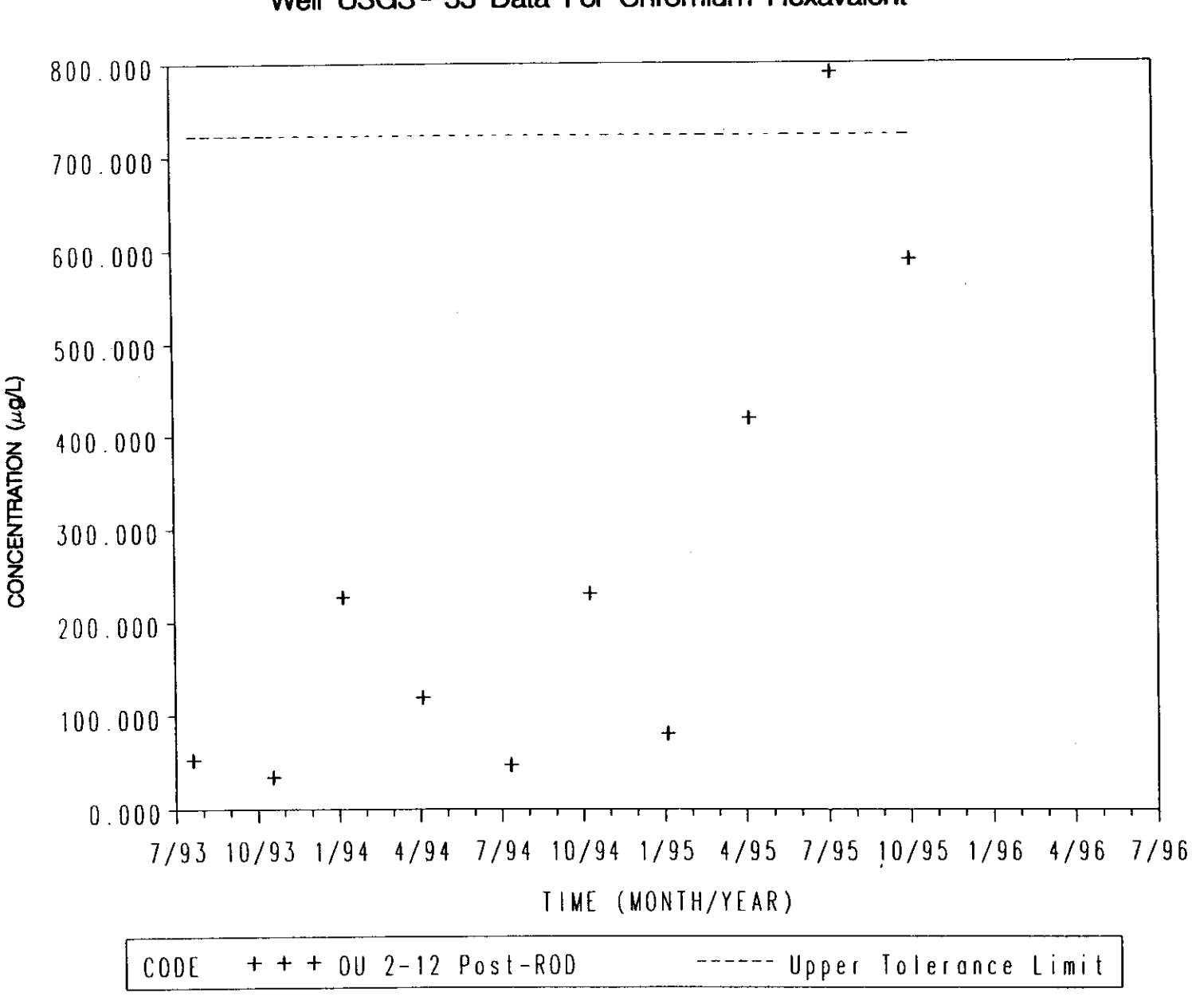


y = -0.02935x + 385.21

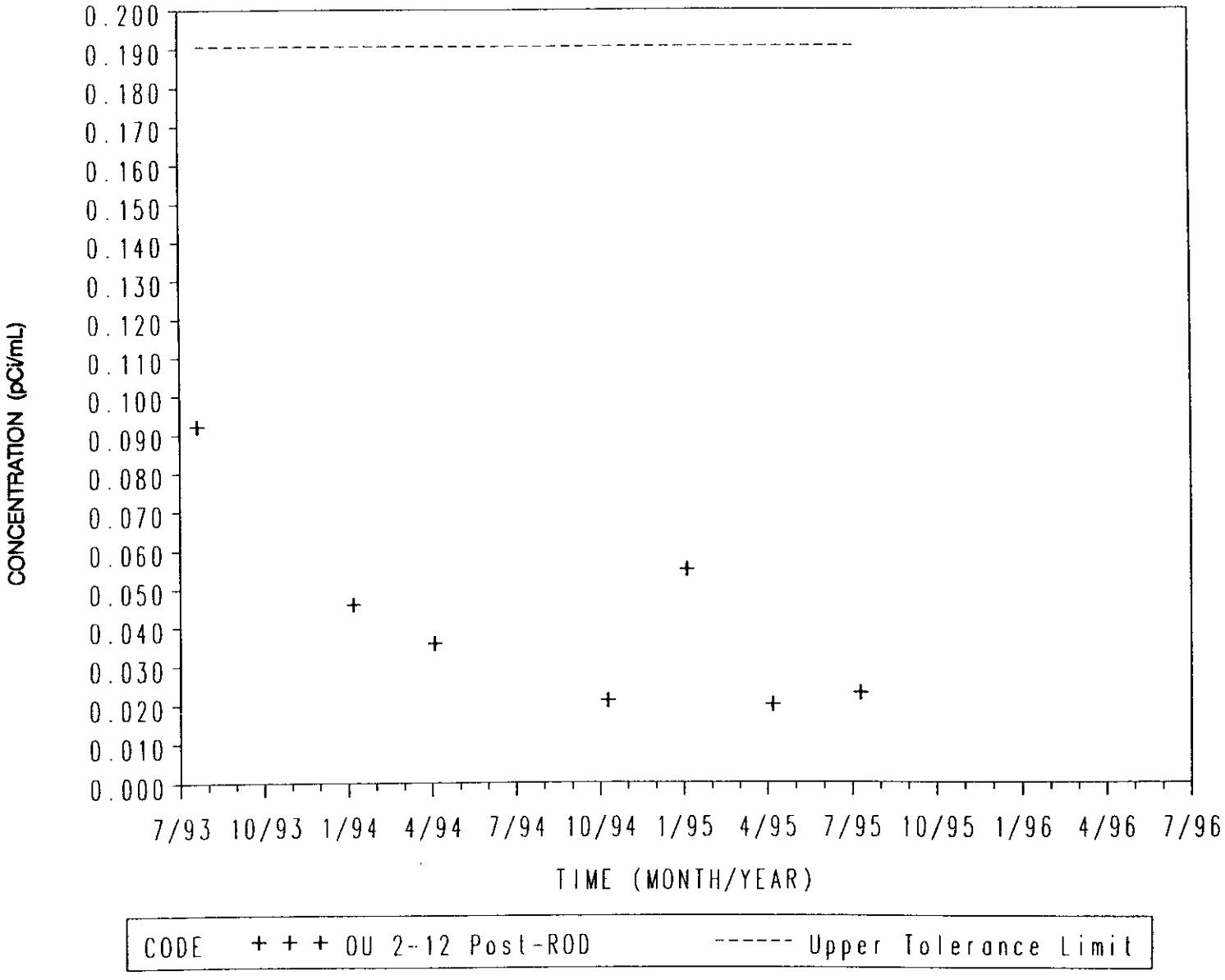
R Squared = 0.88

Well USGS-53 Data For Arsenic

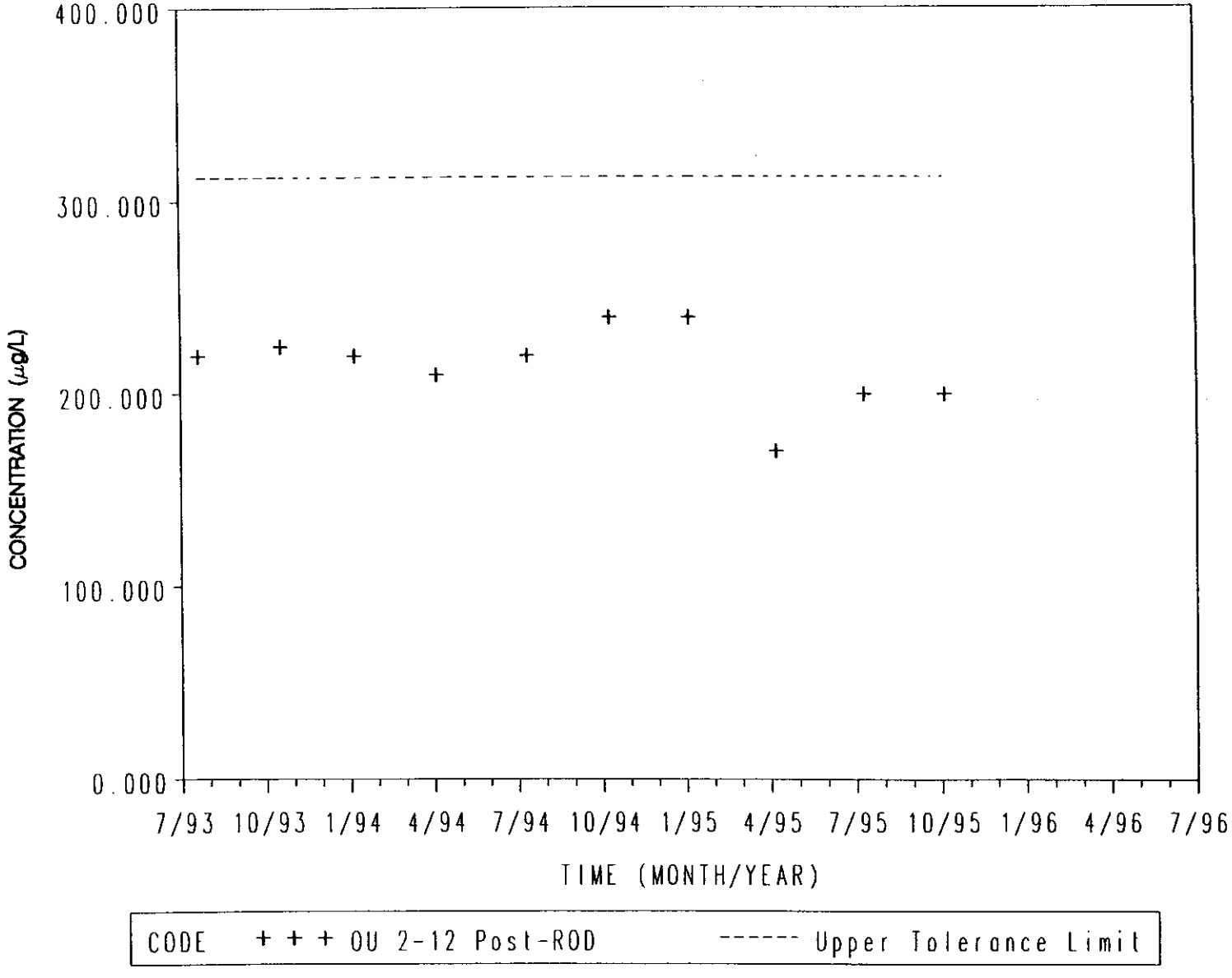



Well USGS-53 Data For Chromium Hexavalent
800.000
700.000
600.000
500.000
400.000
300.000
200.000
100.000
0.000
CONCENTRATION (µg/L)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD
------ Upper Tolerance Limit

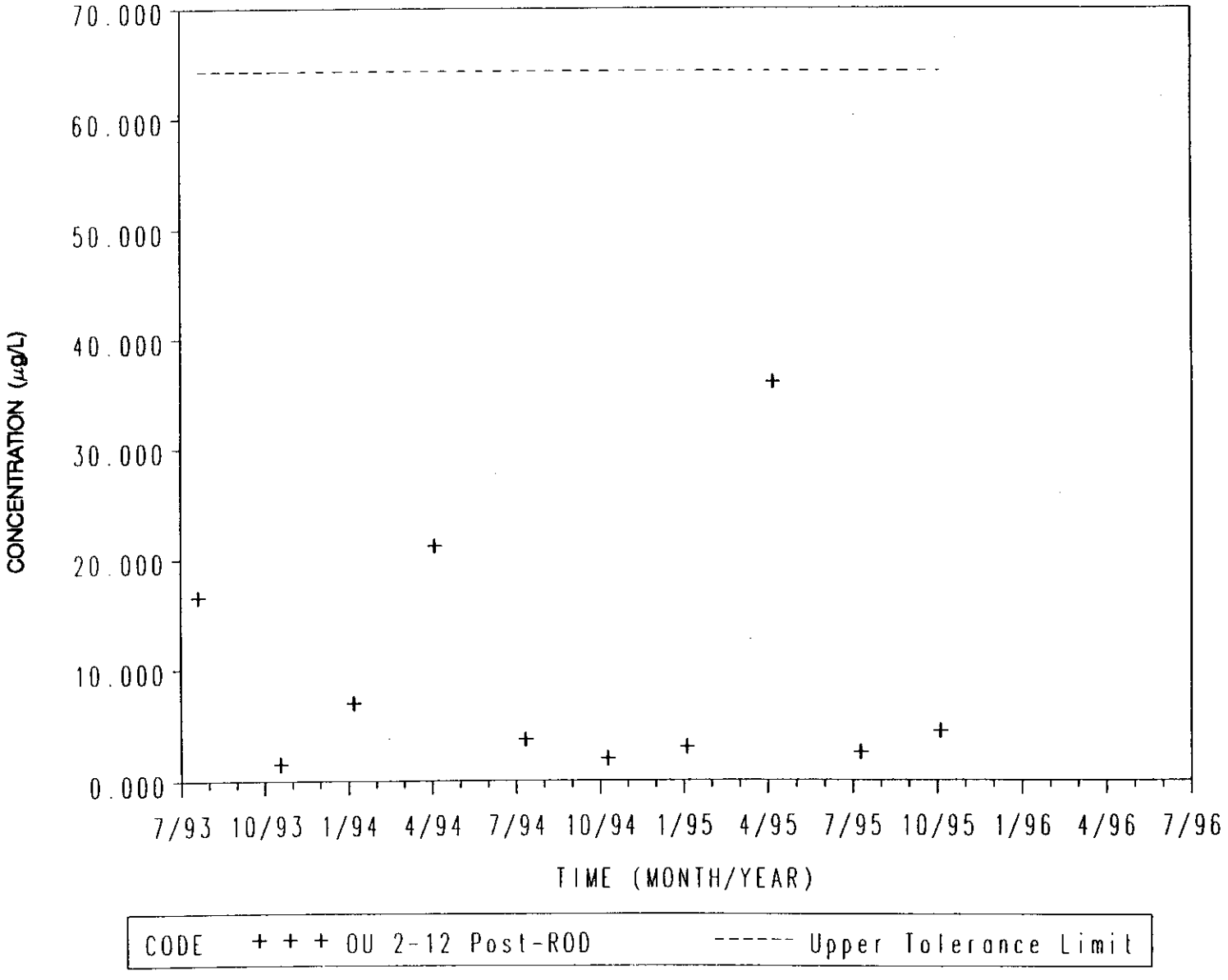
Well USGS-53 Data For CO-60



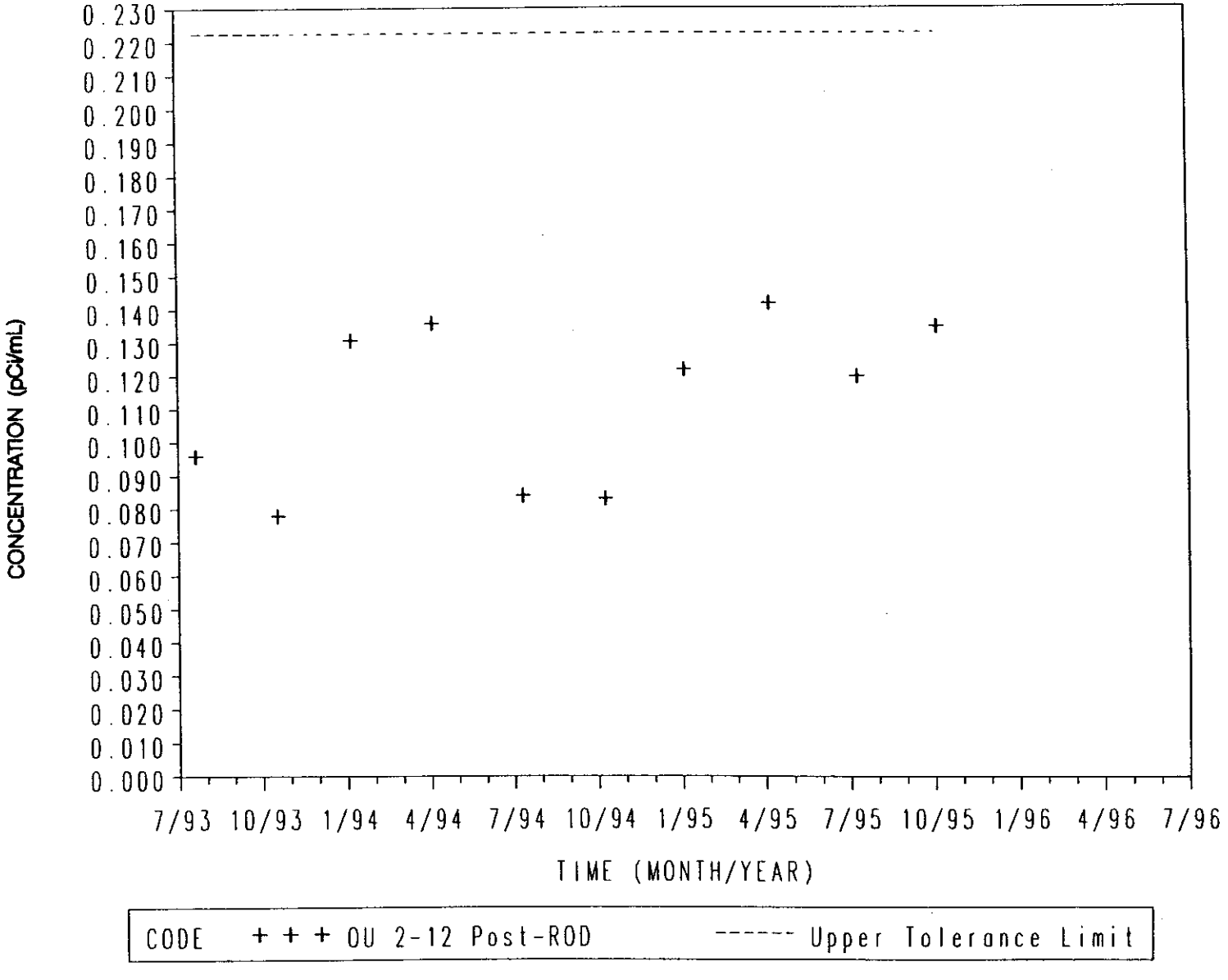
Well USGS-53 Data For Fluoride



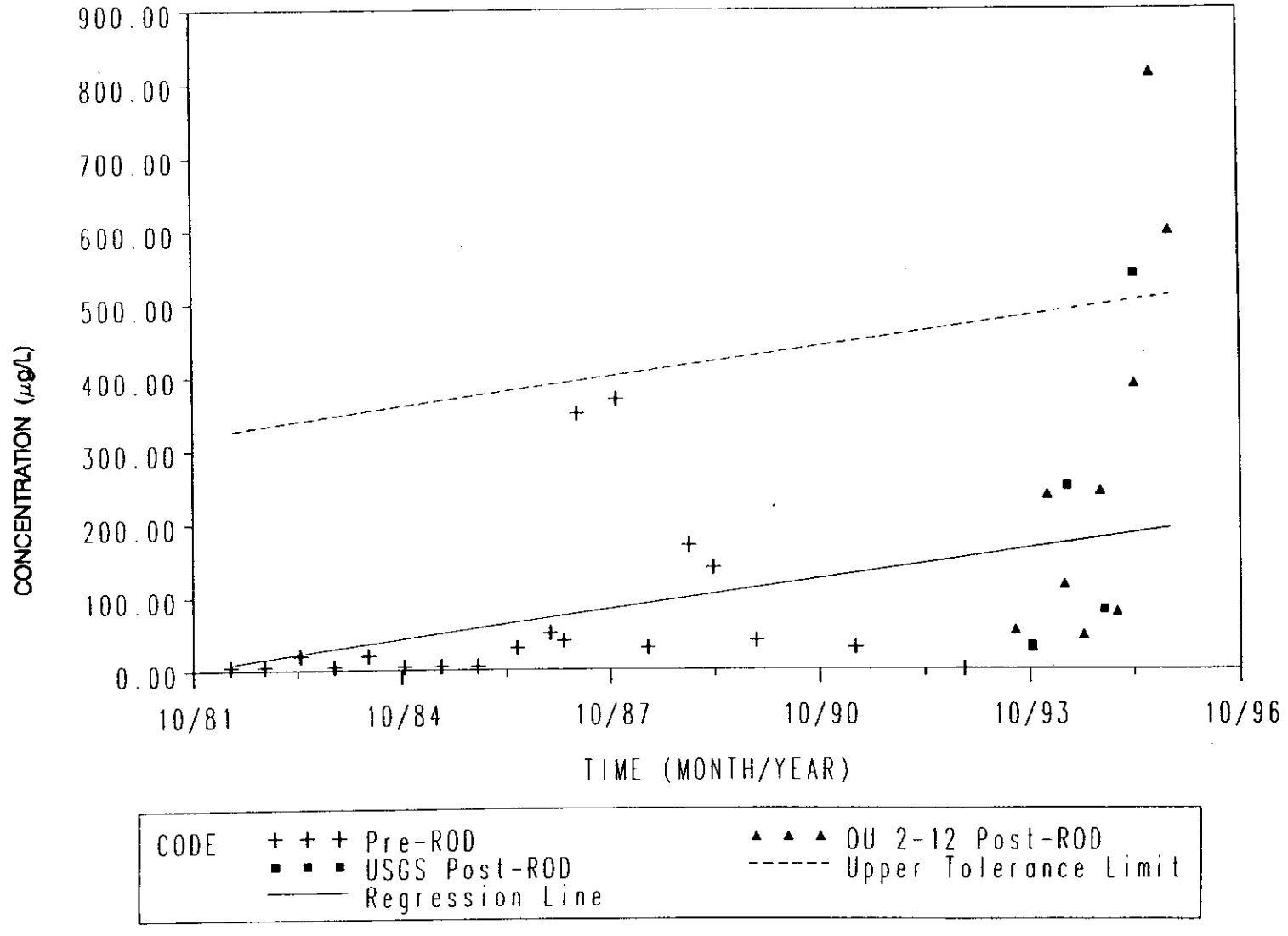
Well USGS-53 Data For Manganese



Well USGS-53 Data For SR-90



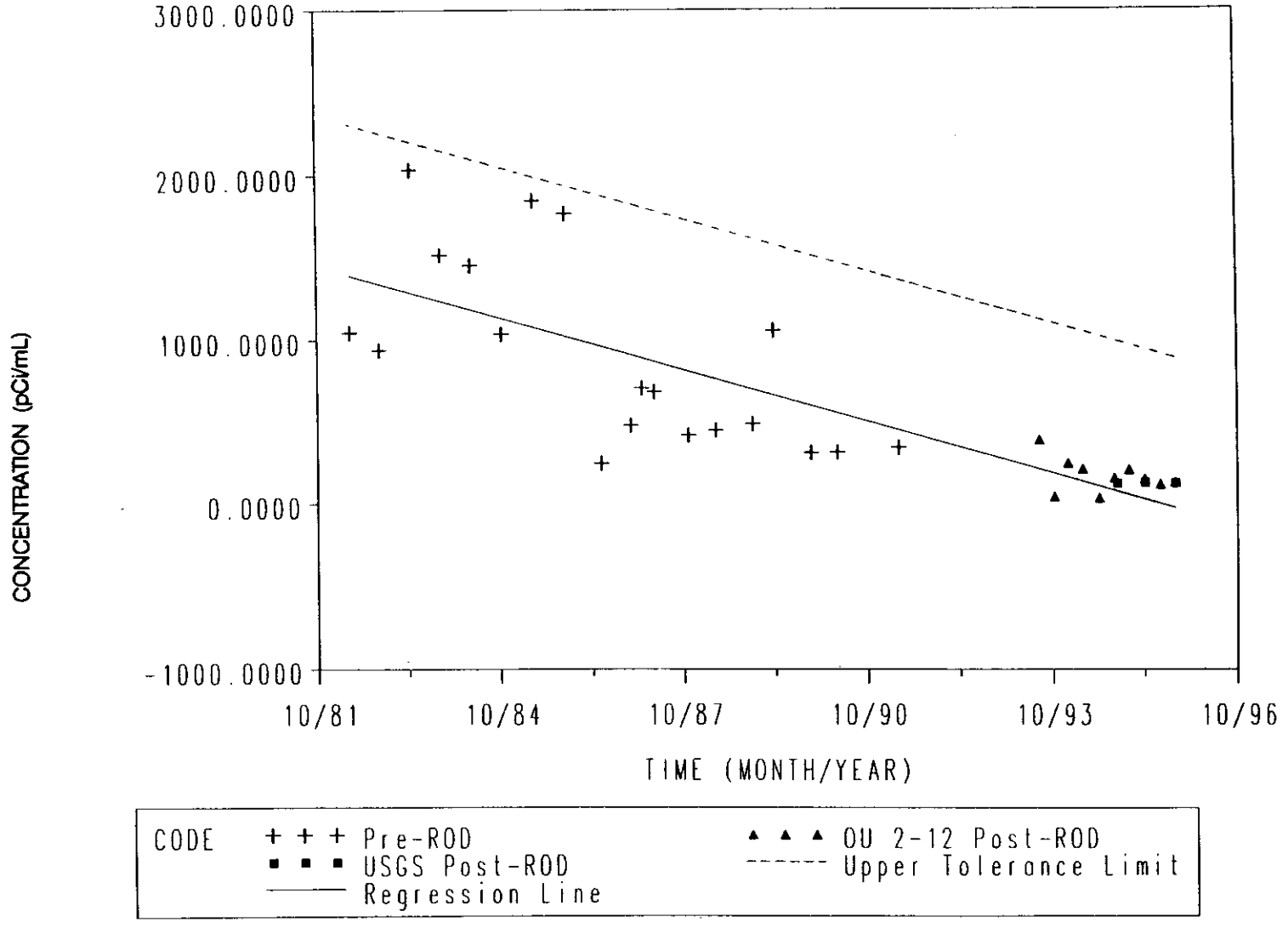
Well USGS – 53 Data For Chromium



y = 0.03742x + -295.93

R Squared = 0.19

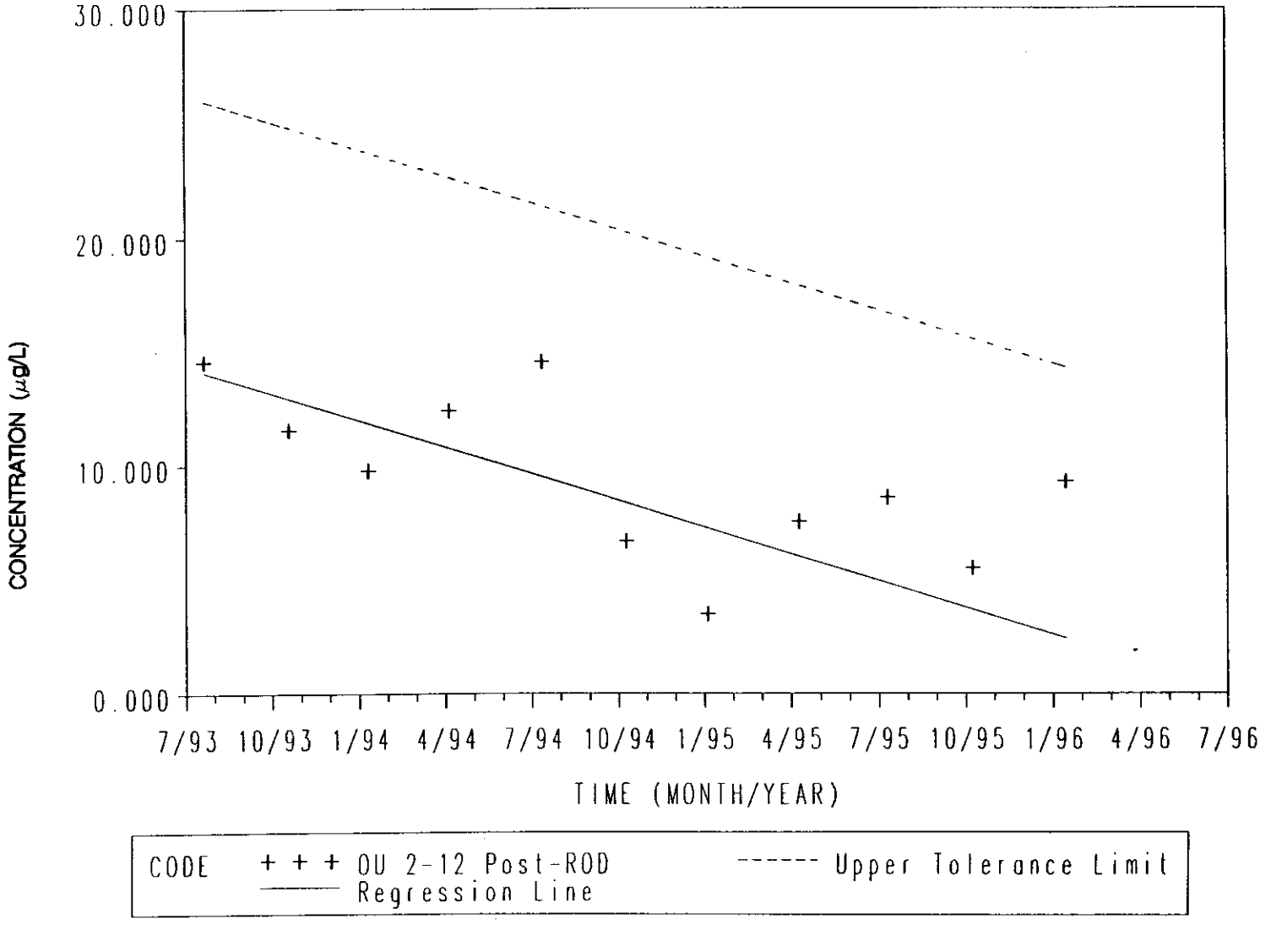
Well USGS-53 Data For Tritium



y = -0.28845x + 3742.59

R Squared = 0.62

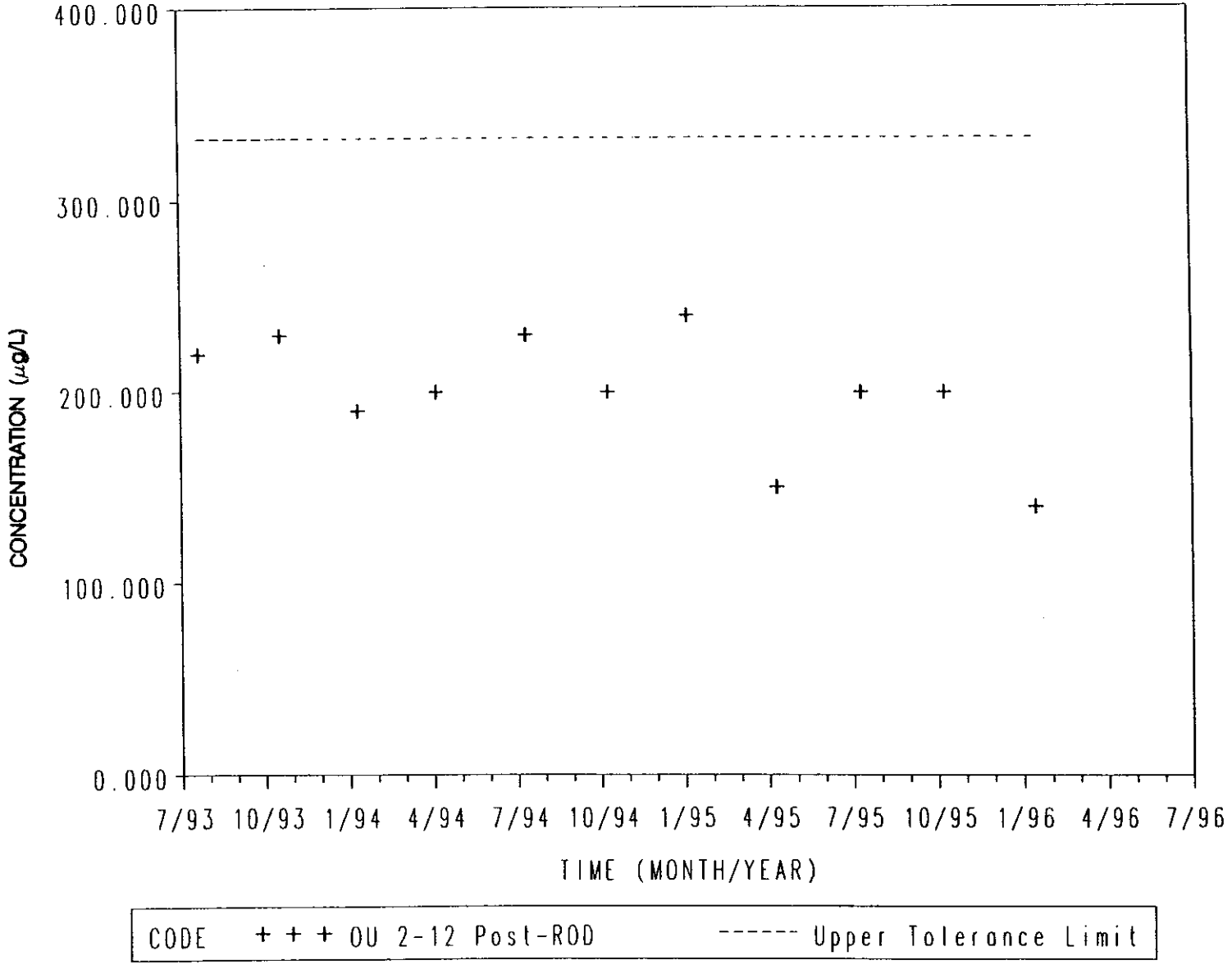
Well USGS-54 Data For Arsenic



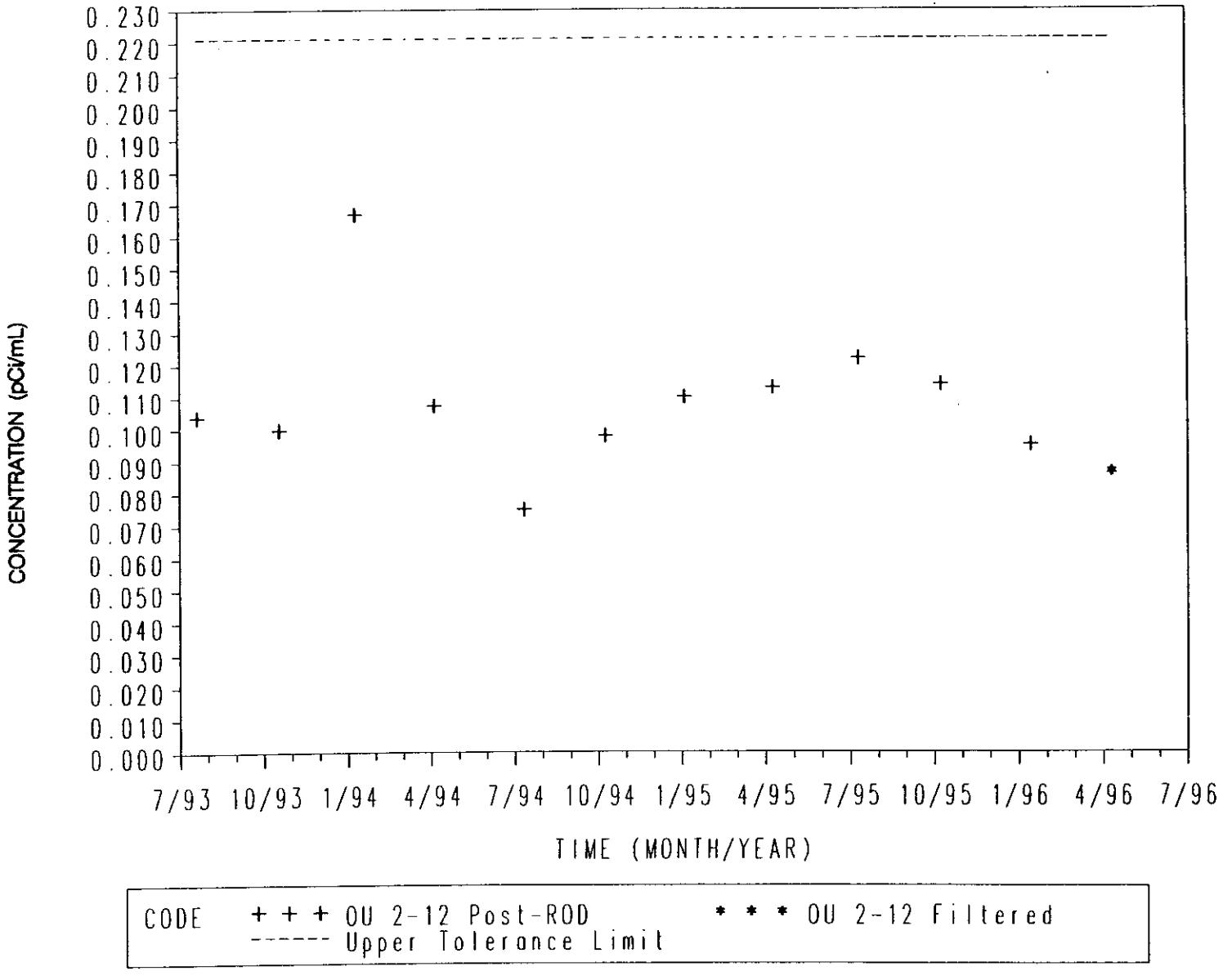
y = -0.01289x + 172.01

R Squared = 0.51

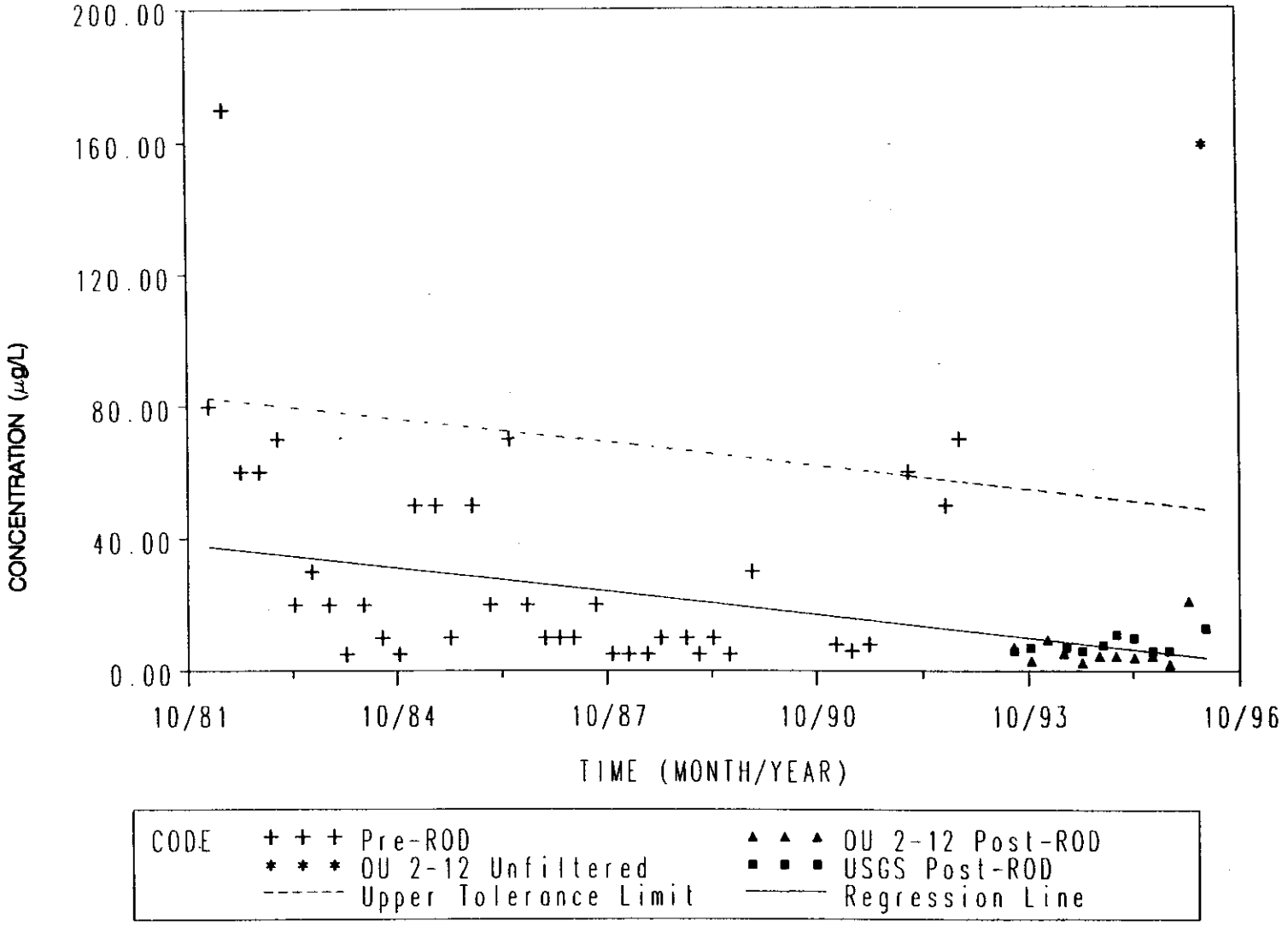
Well USGS-54 Data For Fluoride



Well USGS-54 Data For SR-90



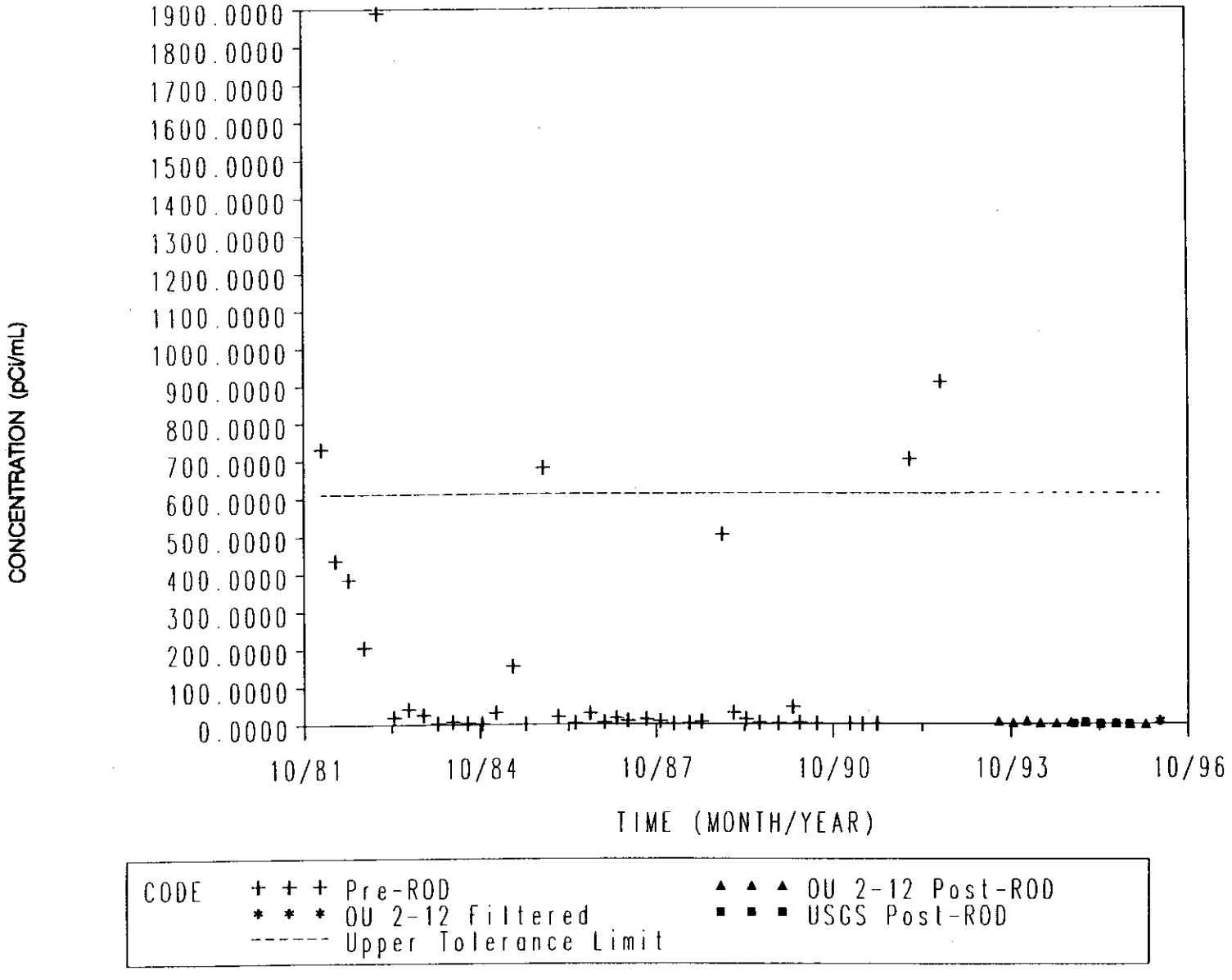
Well USGS-54 Data For Chromium



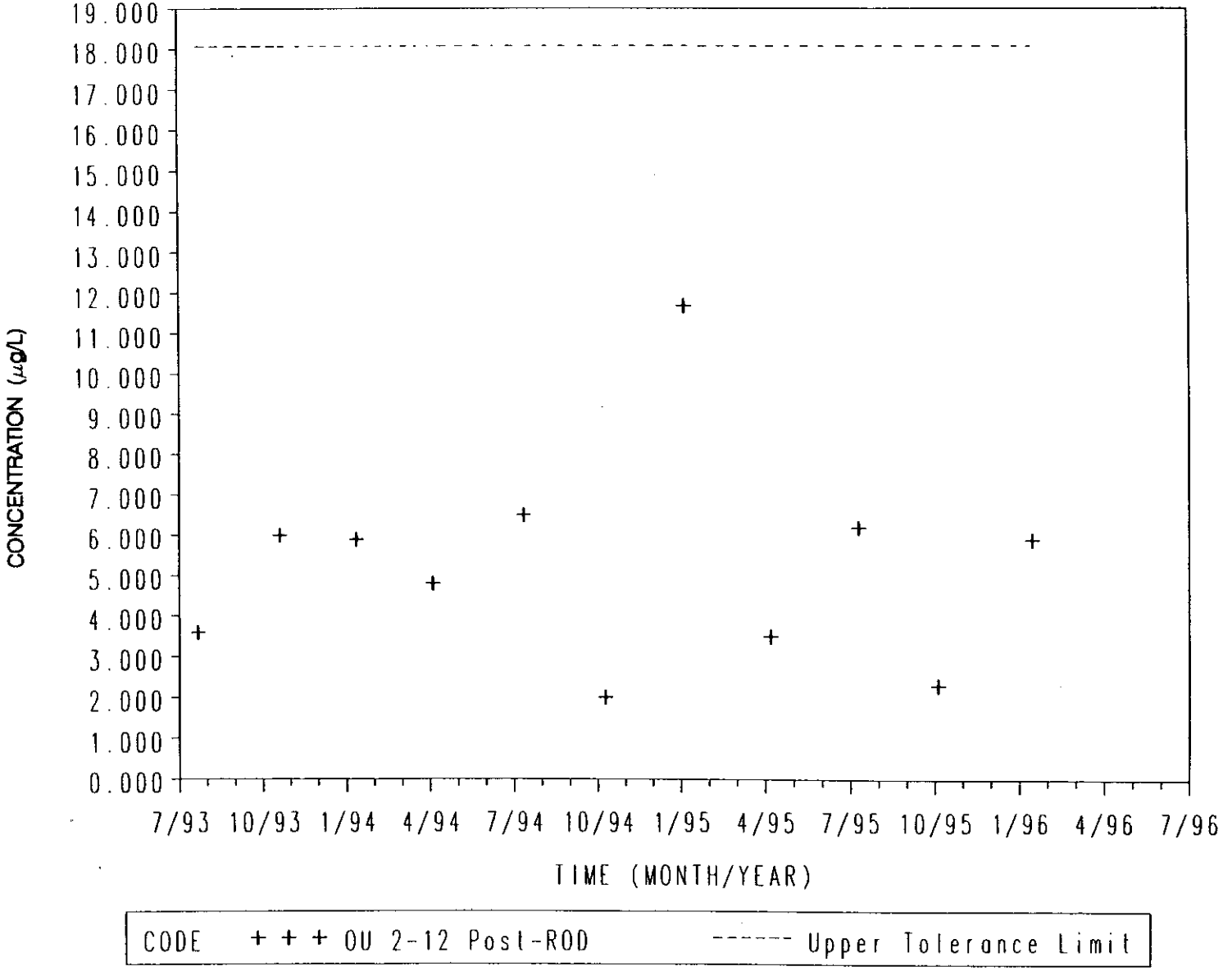
y = -0.00648x + 89.81

R Squared = 0.2

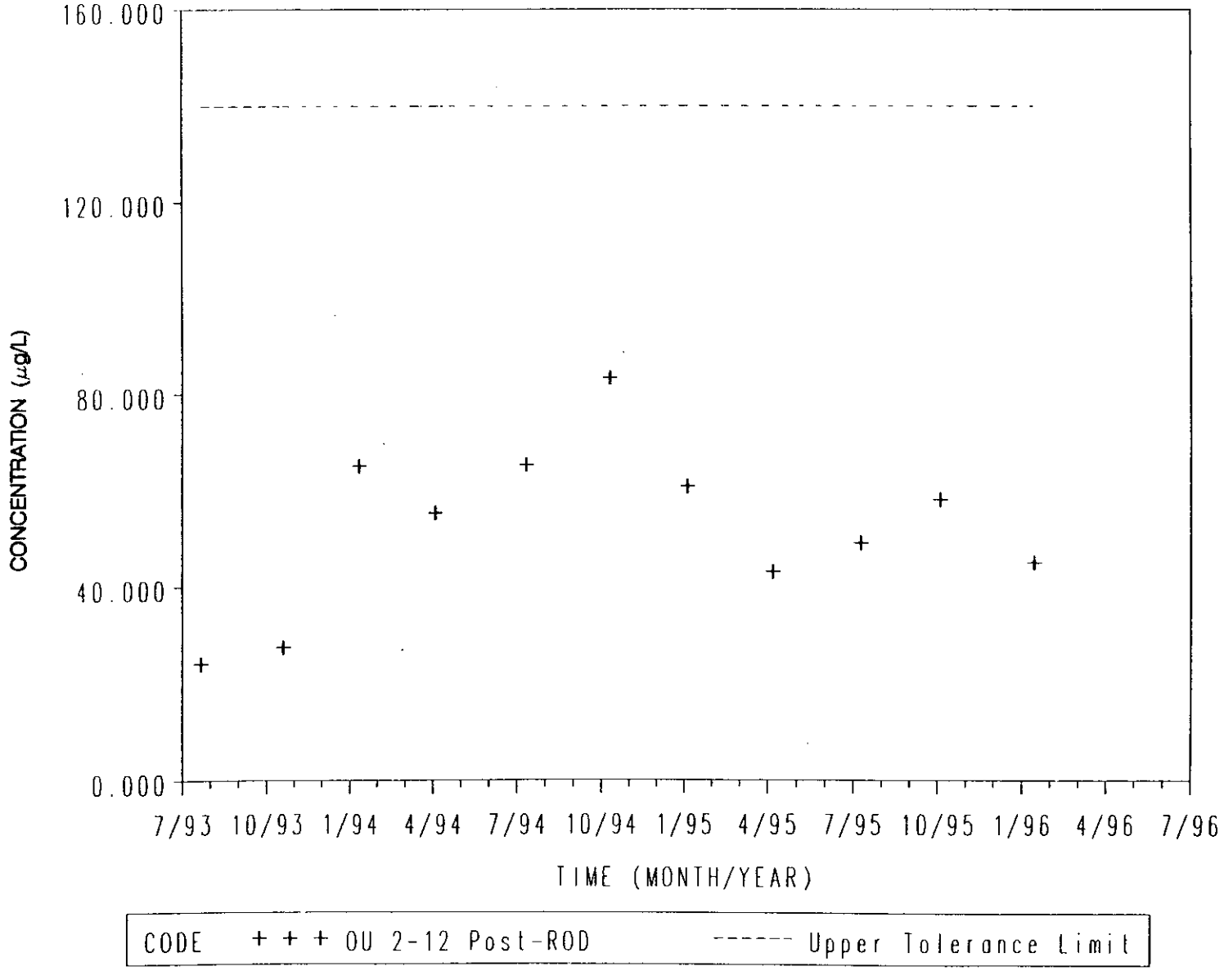
Well USGS-54 Data For Tritium



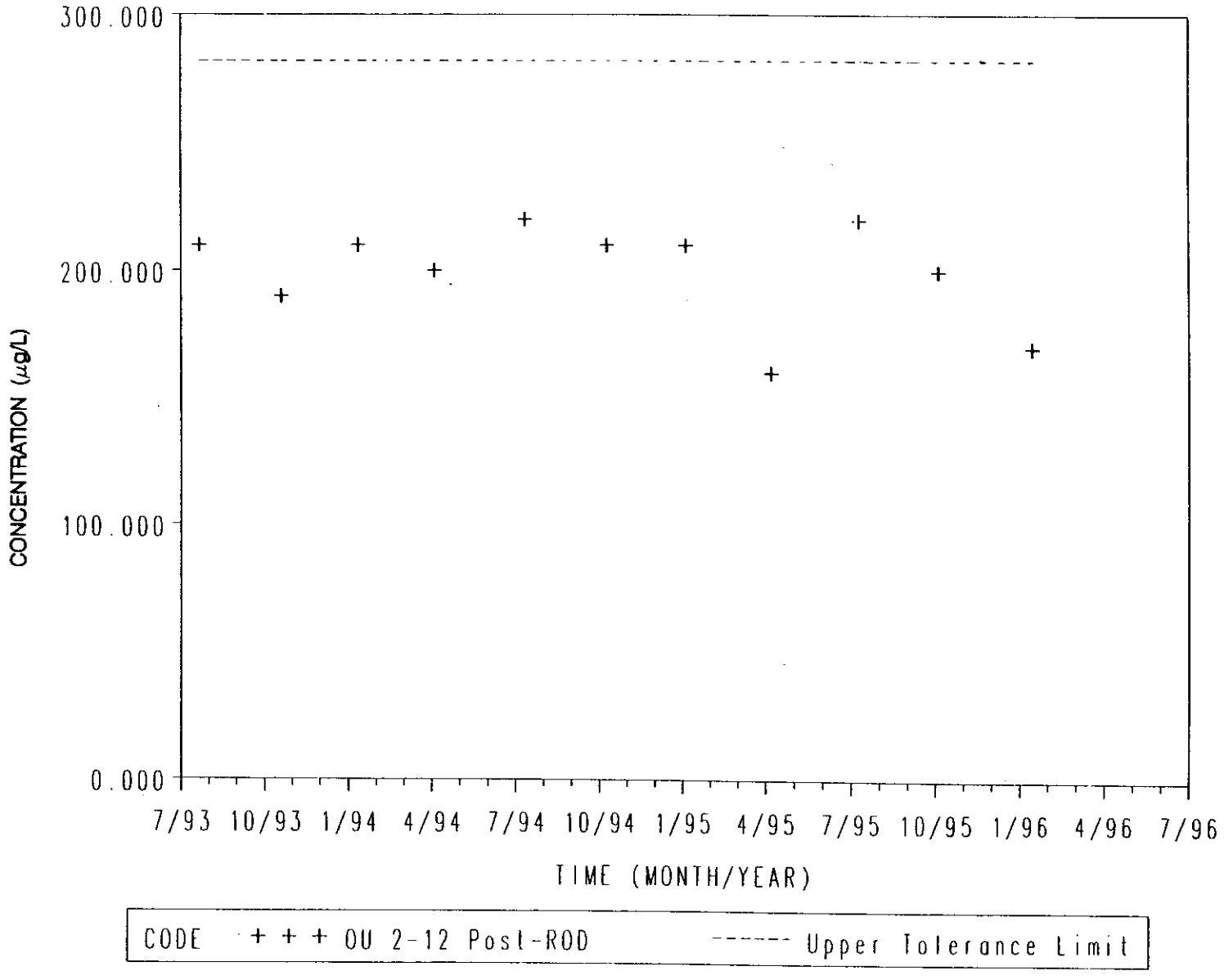
Well USGS-55 Data For Arsenic

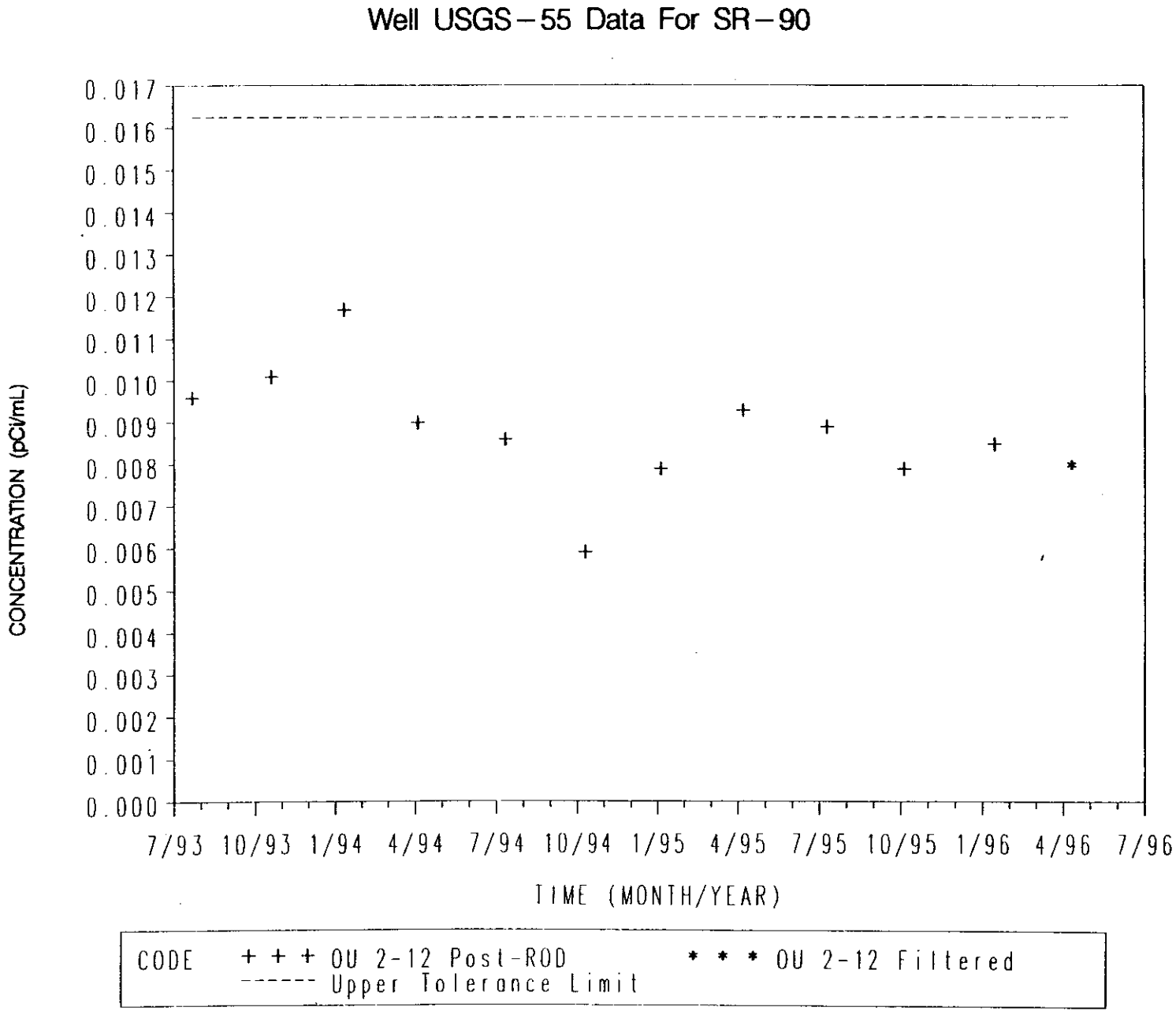


Well USGS-55 Data For Chromium Hexavalent

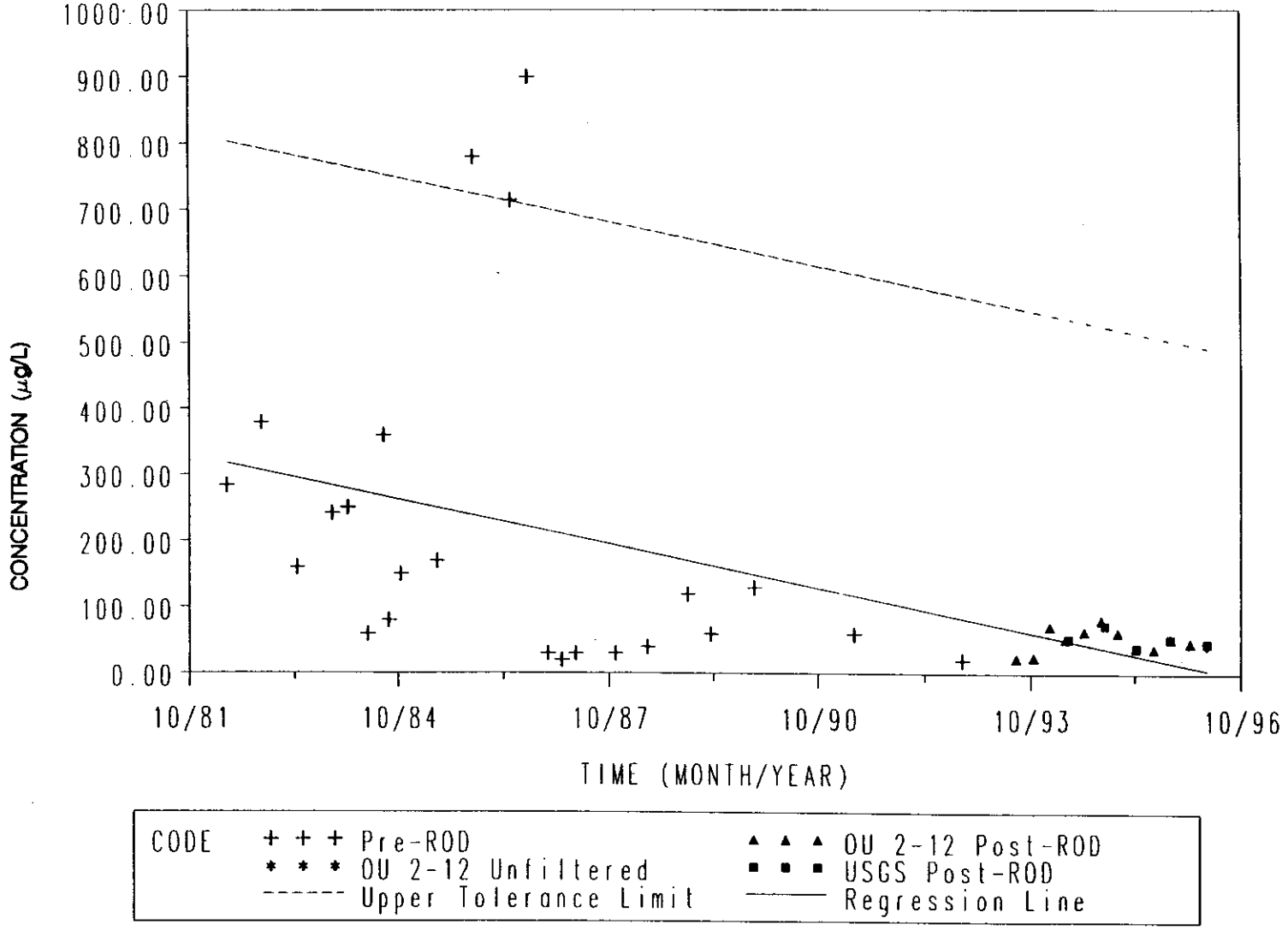


Well USGS-55 Data For Fluoride




Well USGS-55 Data For SR-90
CONCENTRATION (pCi/mL)
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.010
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
7/93 10/93 1/94 4/94 7/94 10/94 1/95 4/95 7/95 10/95 1/96 4/96 7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD * * * OU 2-12 Filtered
------ Upper Tolerance Limit

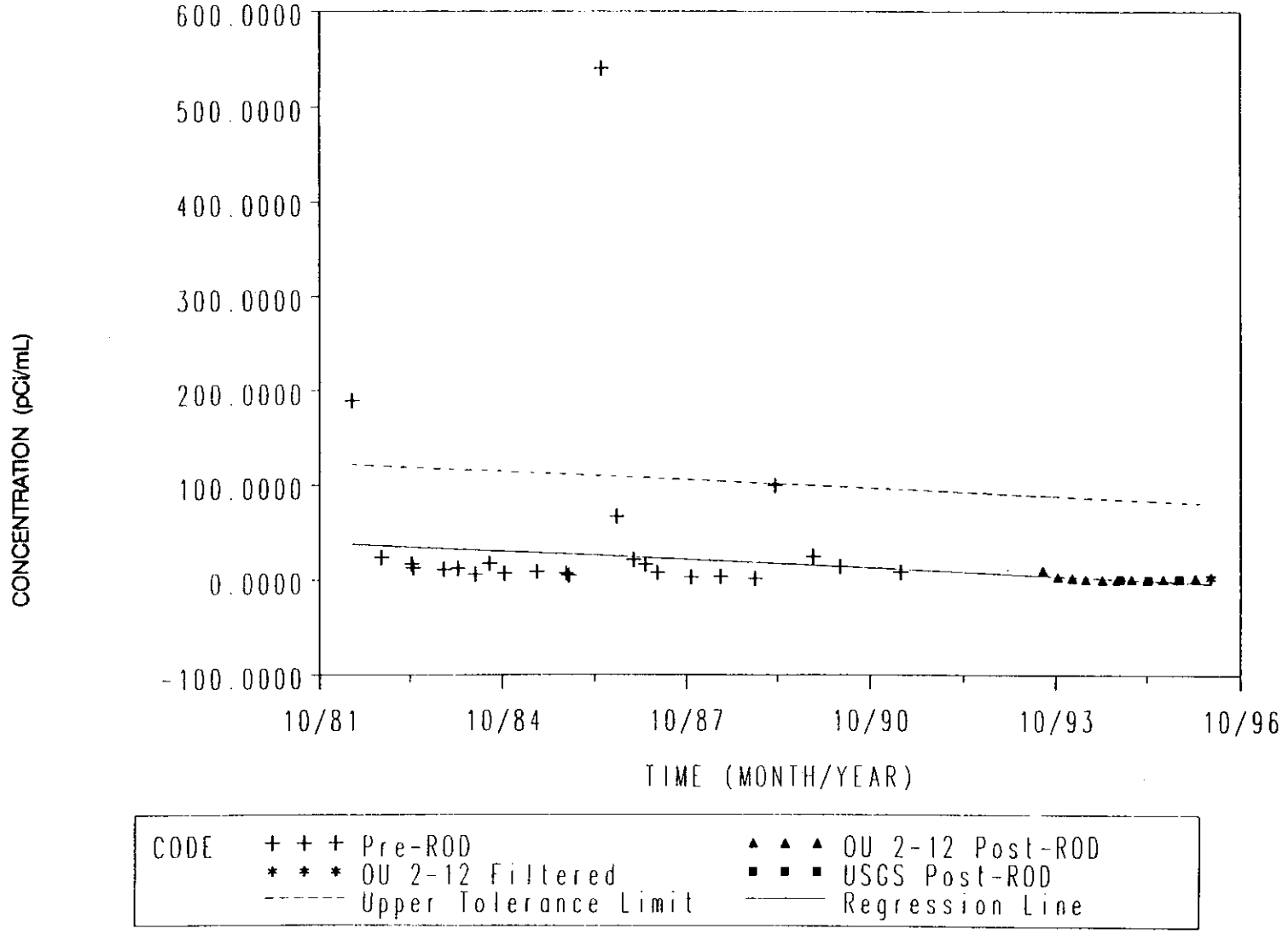
Well USGS – 55 Data For Chromium



y = -0.06095x + 813.02

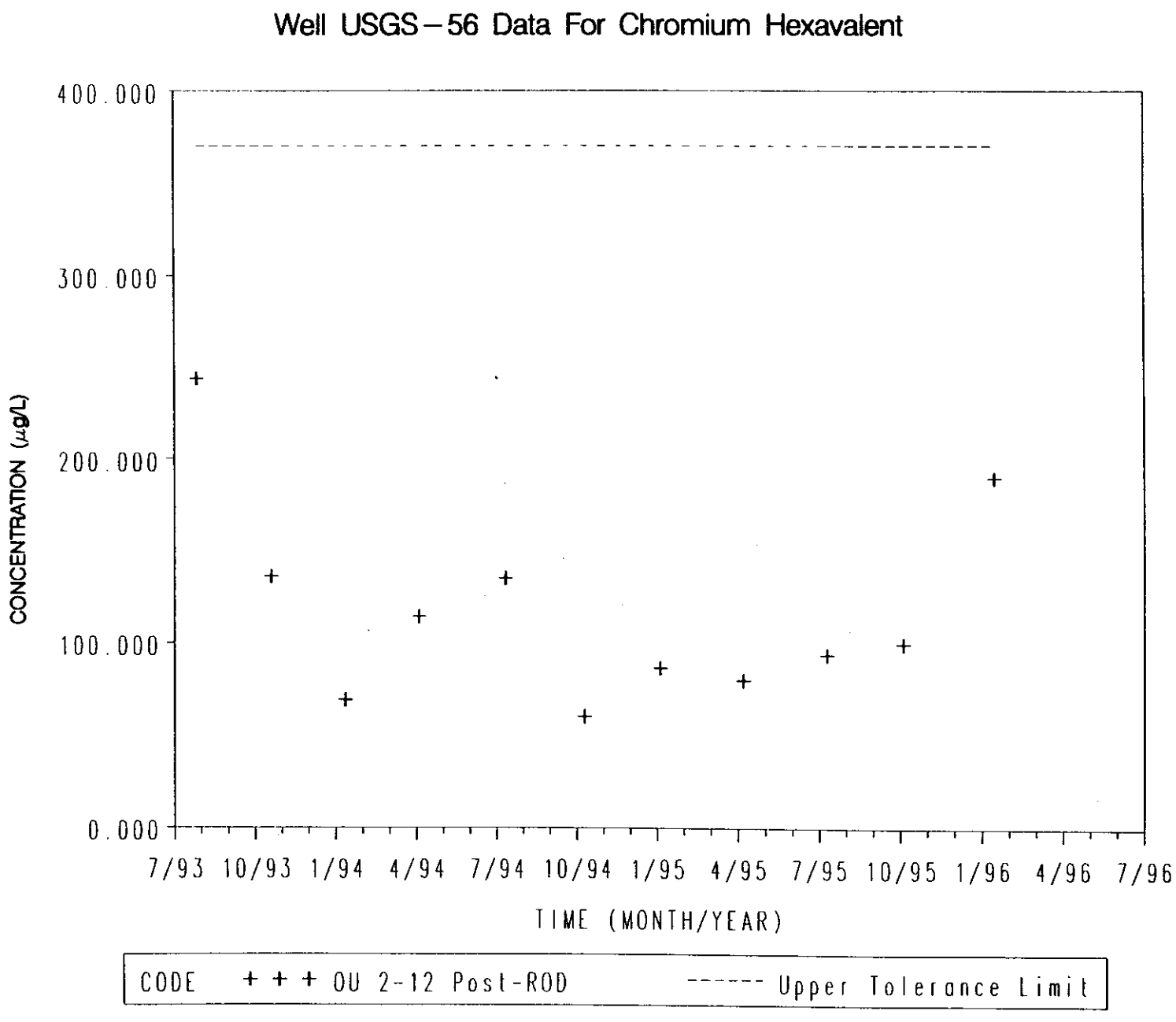
R Squared = 0.2

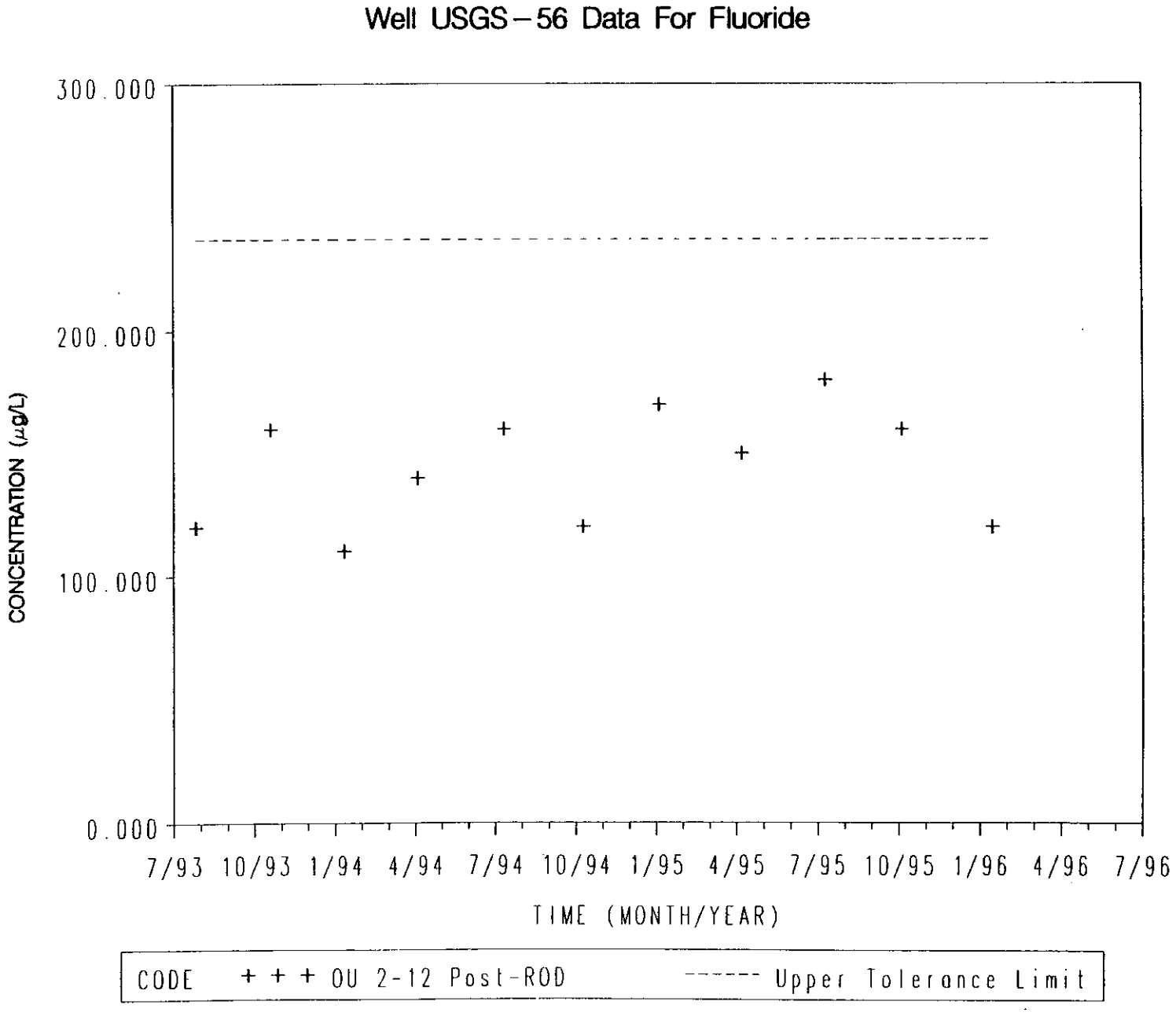
Well USGS-55 Data For Tritium



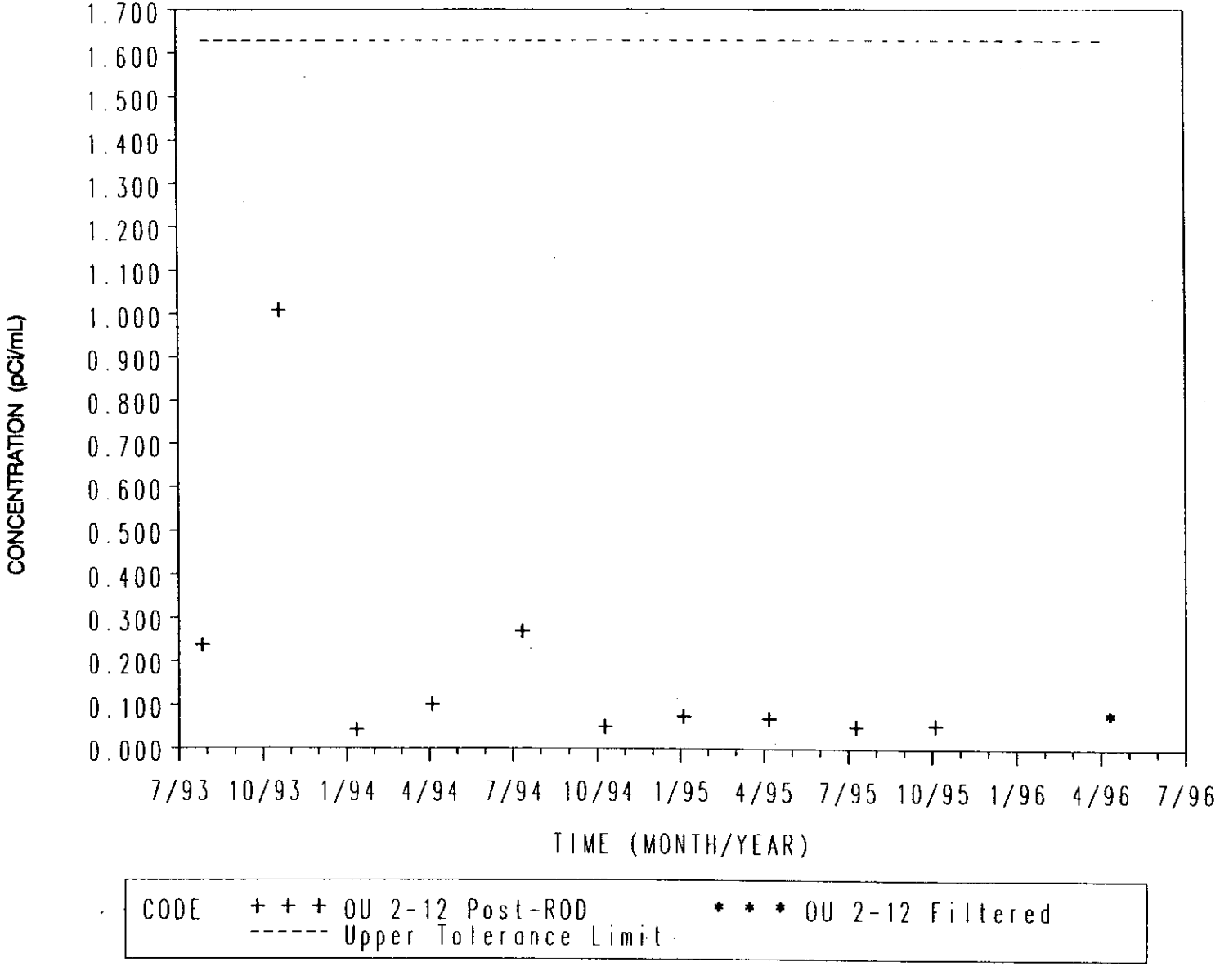
y = -0.00801x + 102.92

R Squared = 0.13

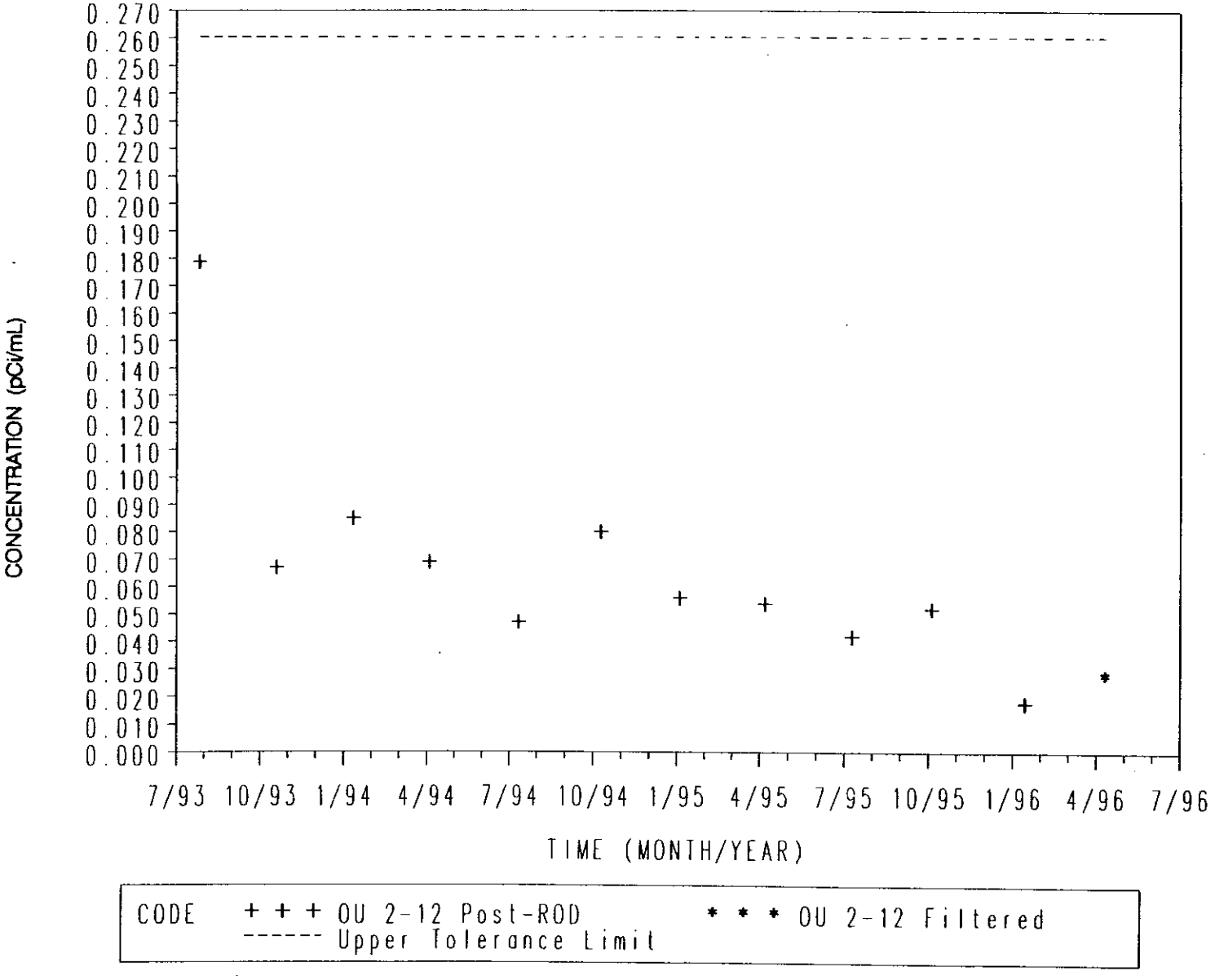

Well USGS-56 Data For Chromium Hexavalent
400.000
300.000
200.000
100.000
0.000
CONCENTRATION (µg/L)
7/93 10/93 1/94 4/94 7/94 10/94 1/95 4/95 7/95 10/95 1/96 4/96 7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD ------ Upper Tolerance Limit


Well USGS-56 Data For Fluoride
300.000
200.000
100.000
0.000
CONCENTRATION (µg/L)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD
------ Upper Tolerance Limit

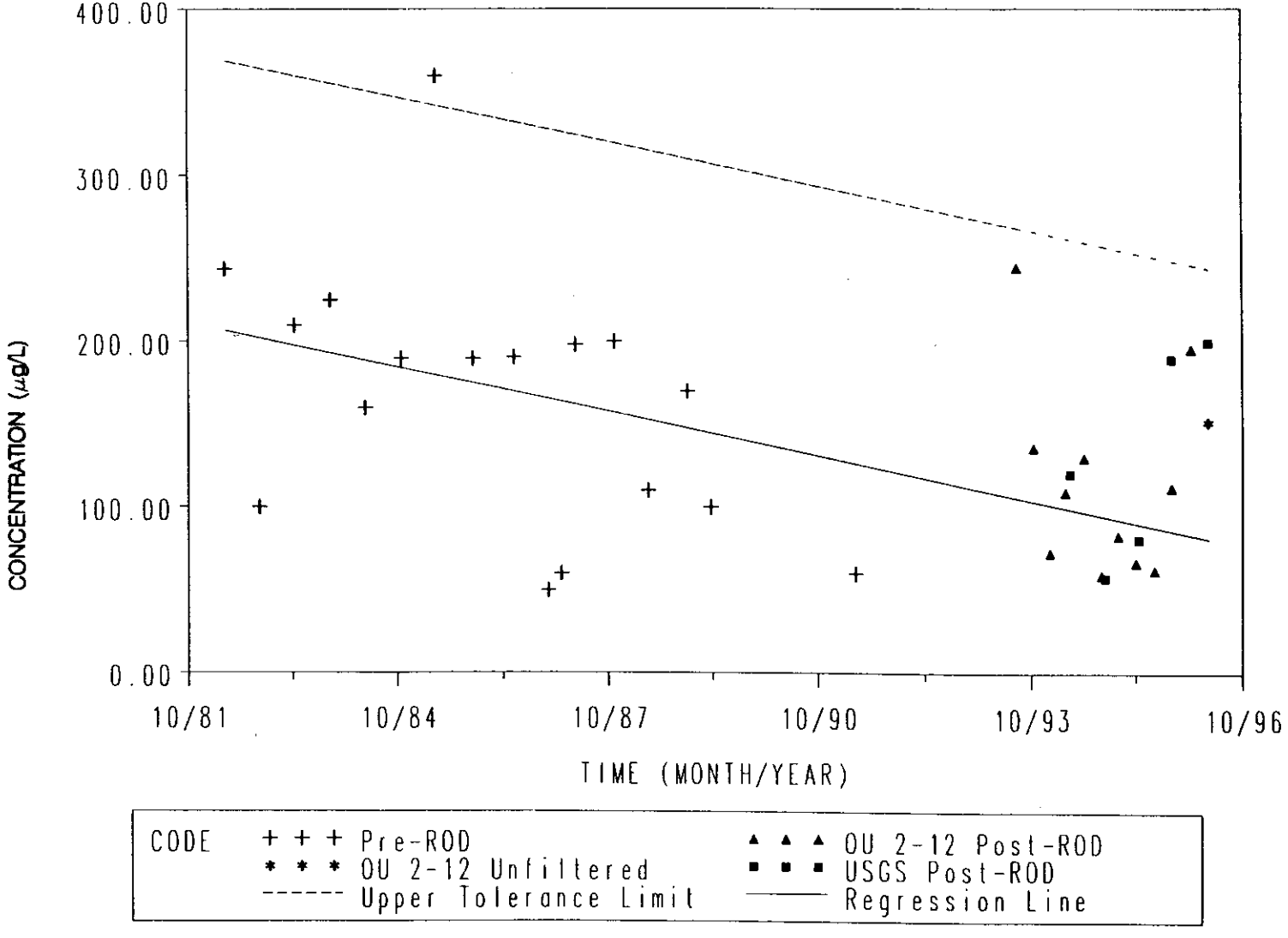
Well USGS-56 Data For CO-60



Well USGS-56 Data For SR-90



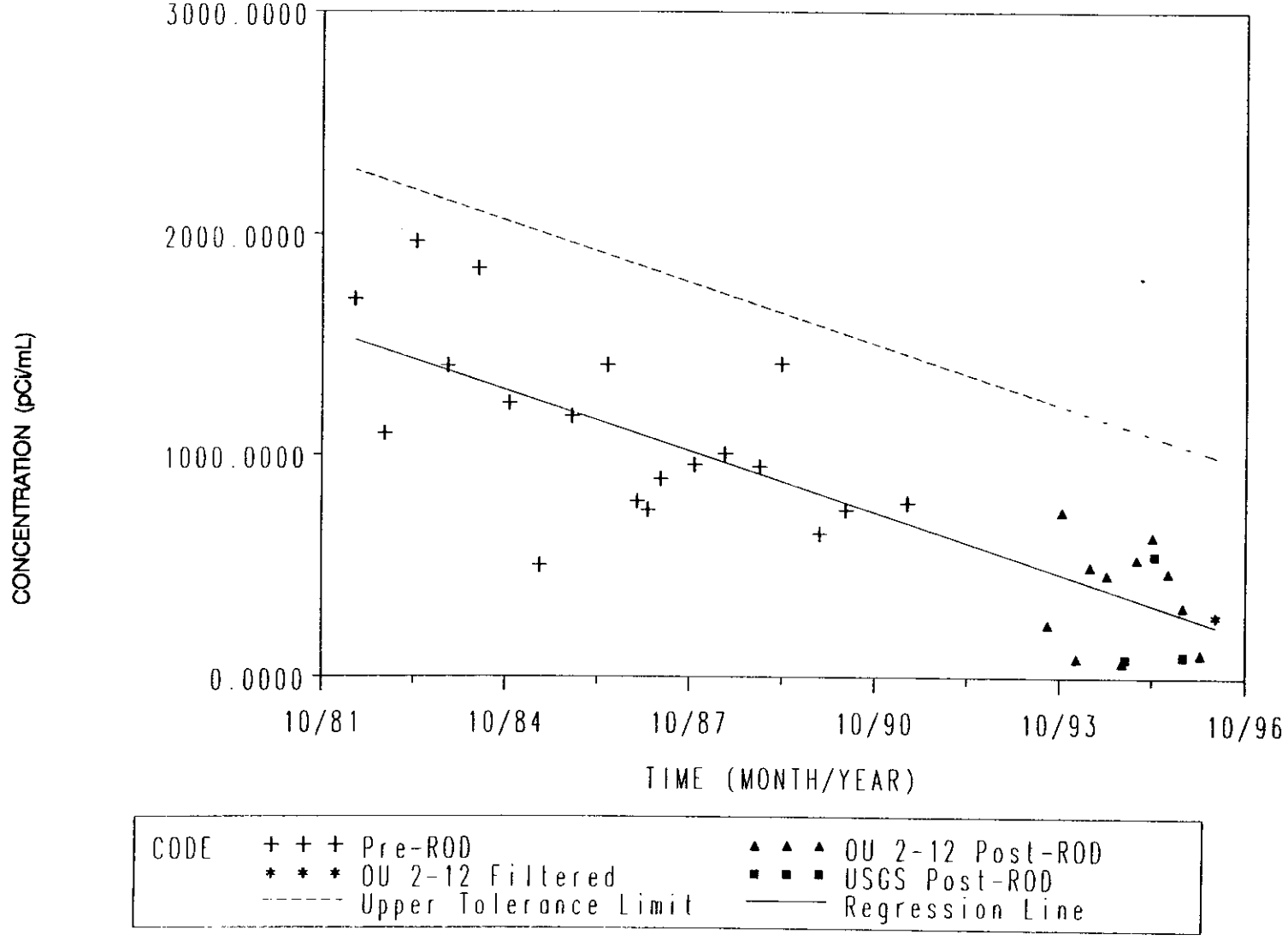
Well USGS-56 Data For Chromium



y = -0.0245x + 405.88

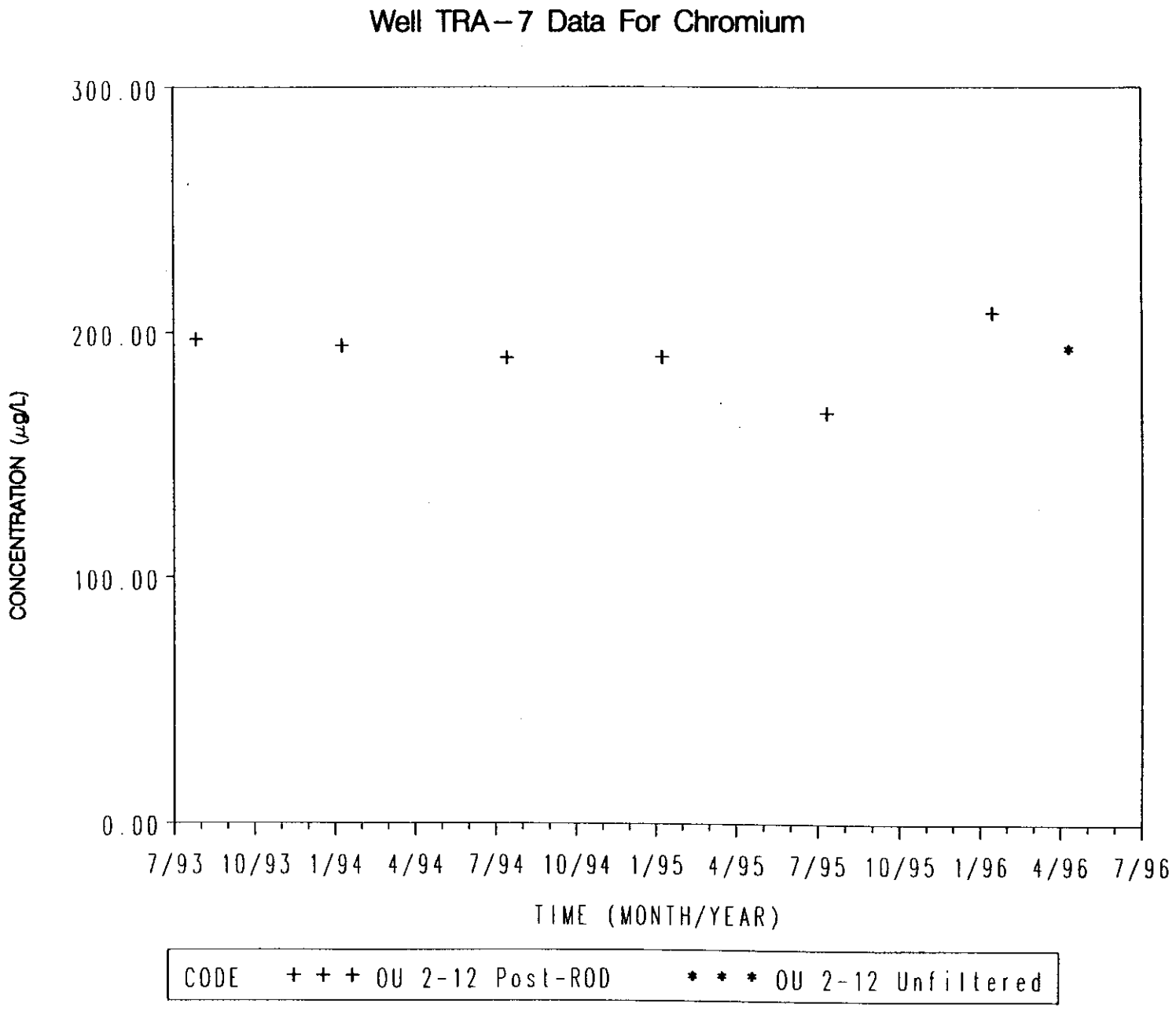
R Squared = 0.29

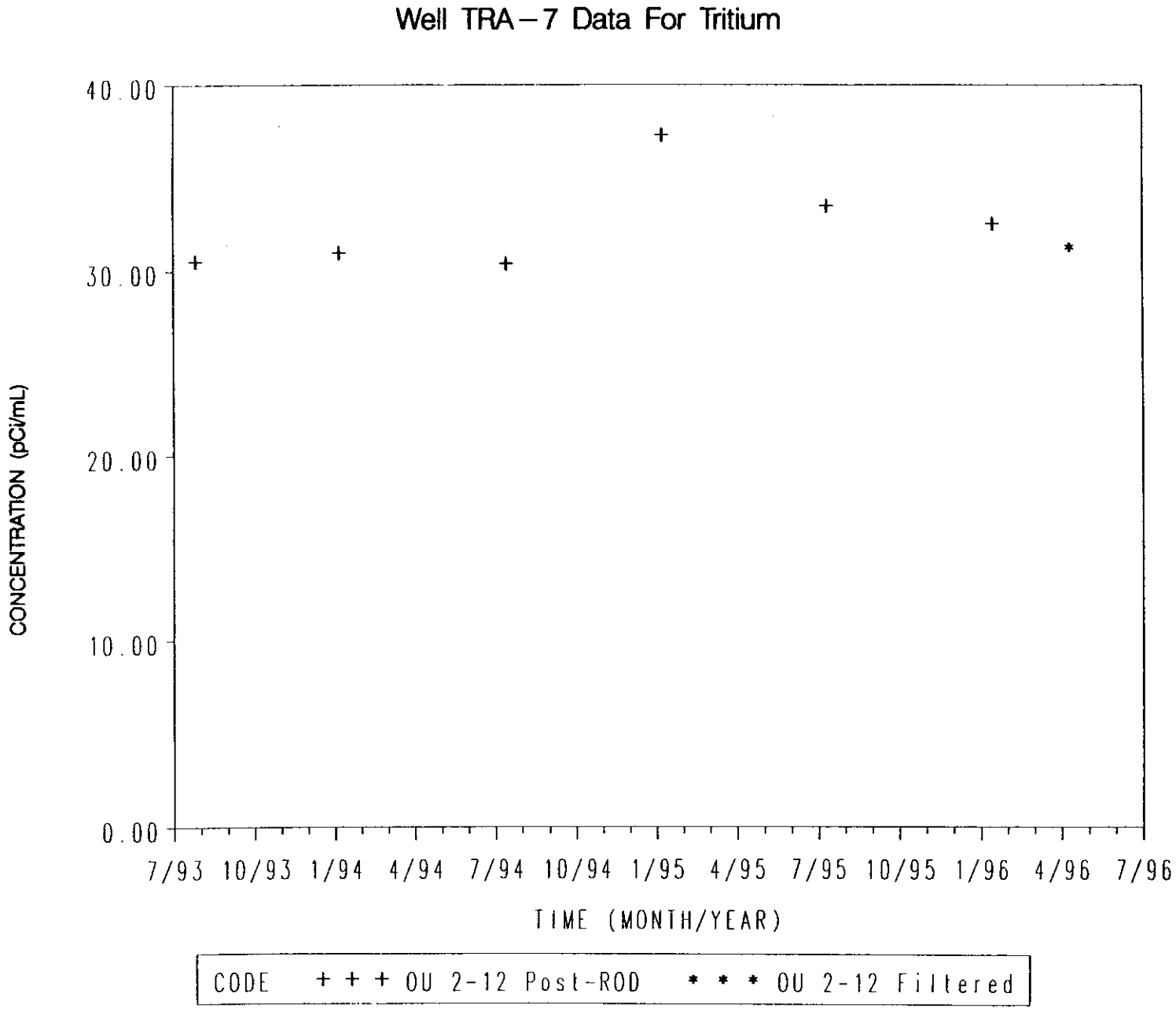
Well USGS-56 Data For Tritium

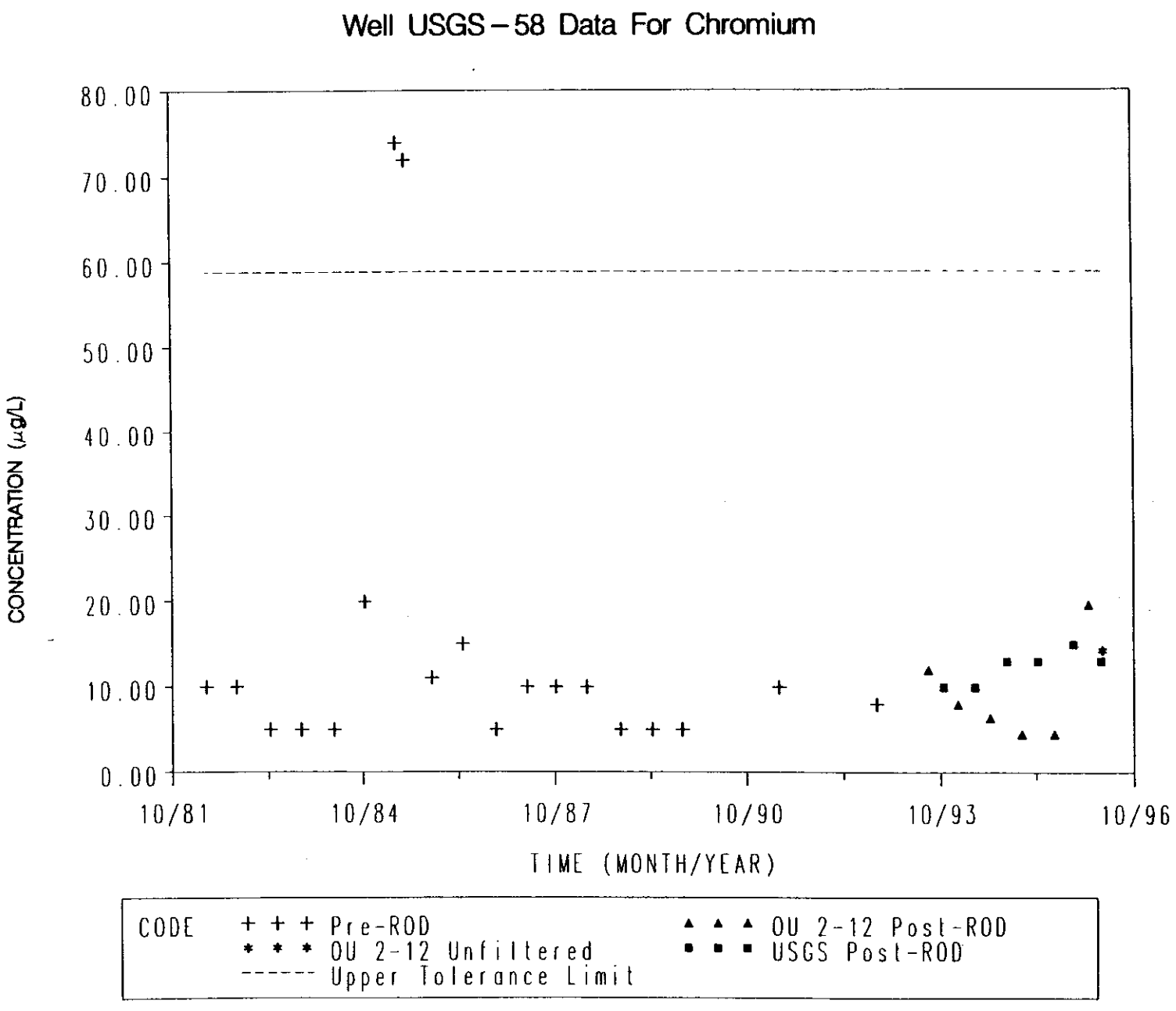


y = -0.25301x + 3582.71

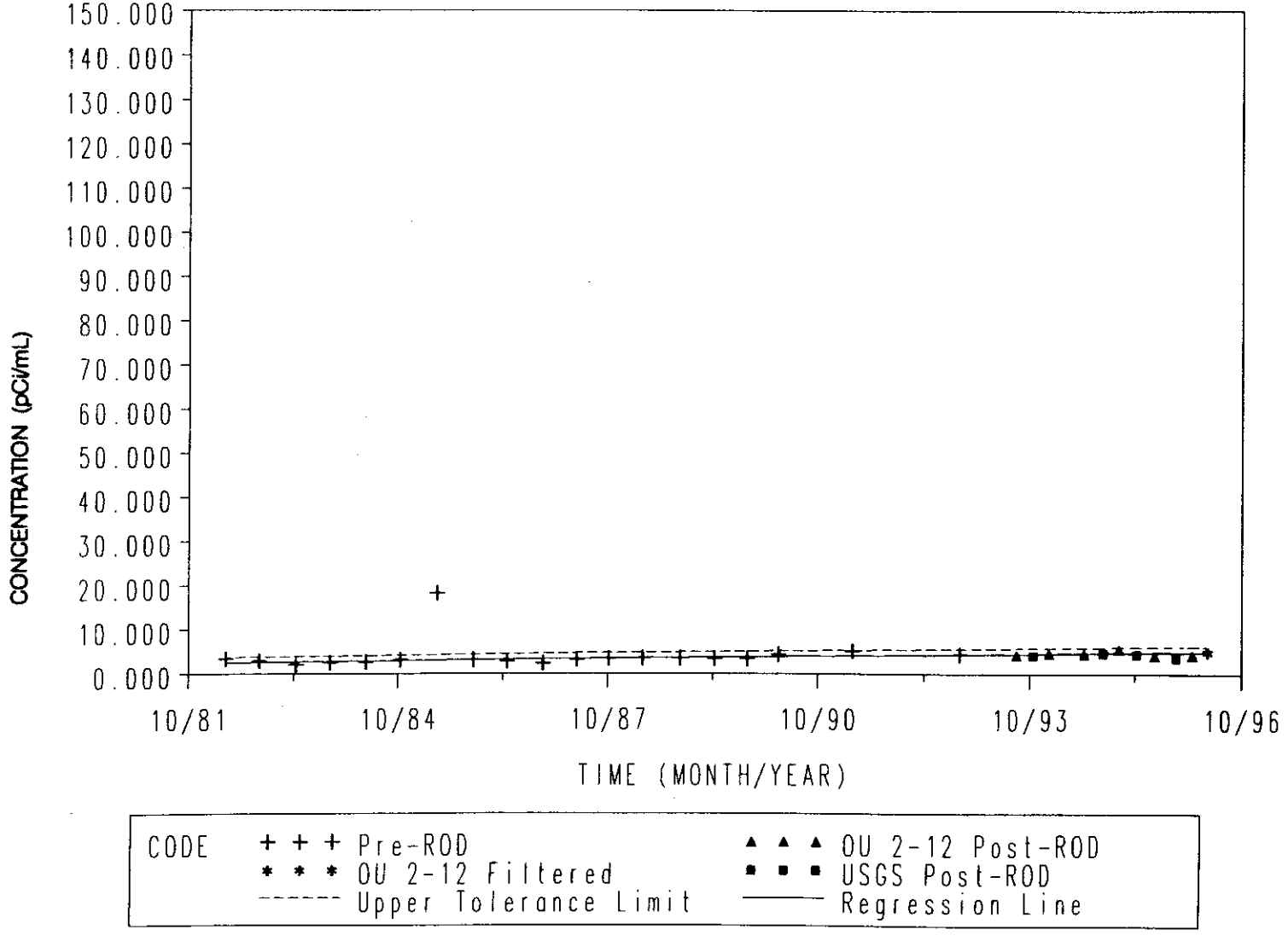
R Squared = 0.64


Well TRA-7 Data For Chromium
300.00
200.00
100.00
0.00
CONCENTRATION (µg/L)
7/93 10/93 1/94 4/94 7/94 10/94 1/95 4/95 7/95 10/95 1/96 4/96 7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD * * * OU 2-12 Unfiltered


Well TRA-7 Data For Tritium
40.00
30.00
20.00
10.00
0.00
CONCENTRATION (pCi/mL)
7/93
10/93
1/94
4/94
7/94
10/94
1/95
4/95
7/95
10/95
1/96
4/96
7/96
TIME (MONTH/YEAR)
CODE + + + OU 2-12 Post-ROD * * * OU 2-12 Filtered


Well USGS-58 Data For Chromium
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
CONCENTRATION (µg/L)
10/81
10/84
10/87
10/90
10/93
10/96
TIME (MONTH/YEAR)
CODE
+ + + Pre-ROD
* * * OU 2-12 Unfiltered
------ Upper Tolerance Limit
▲ ▲ ▲ OU 2-12 Post-ROD
■ ■ ■ USGS Post-ROD

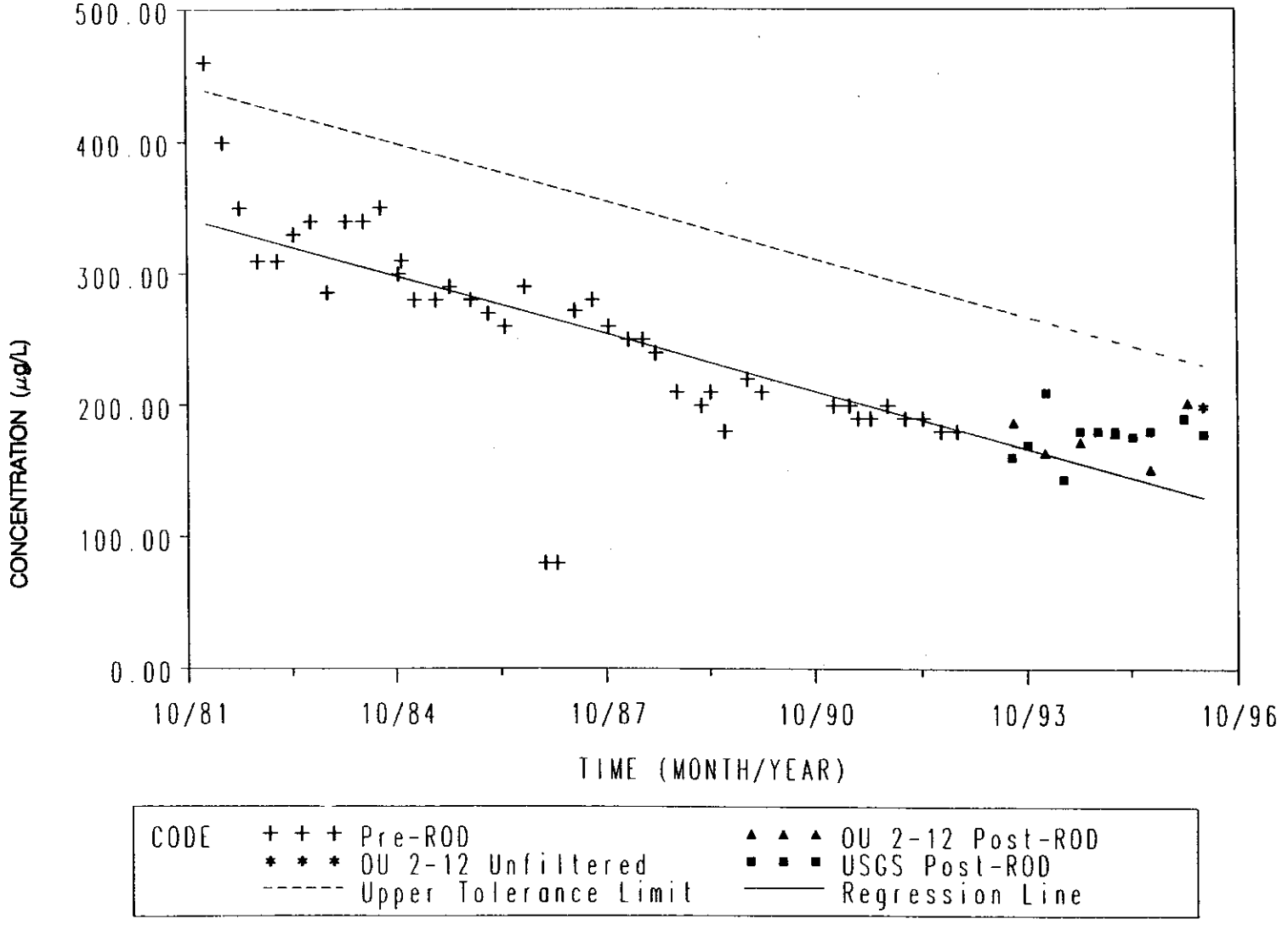
Well USGS-58 Data For Tritium



y = 0.00049x + -1.58

R Squared = 0.72

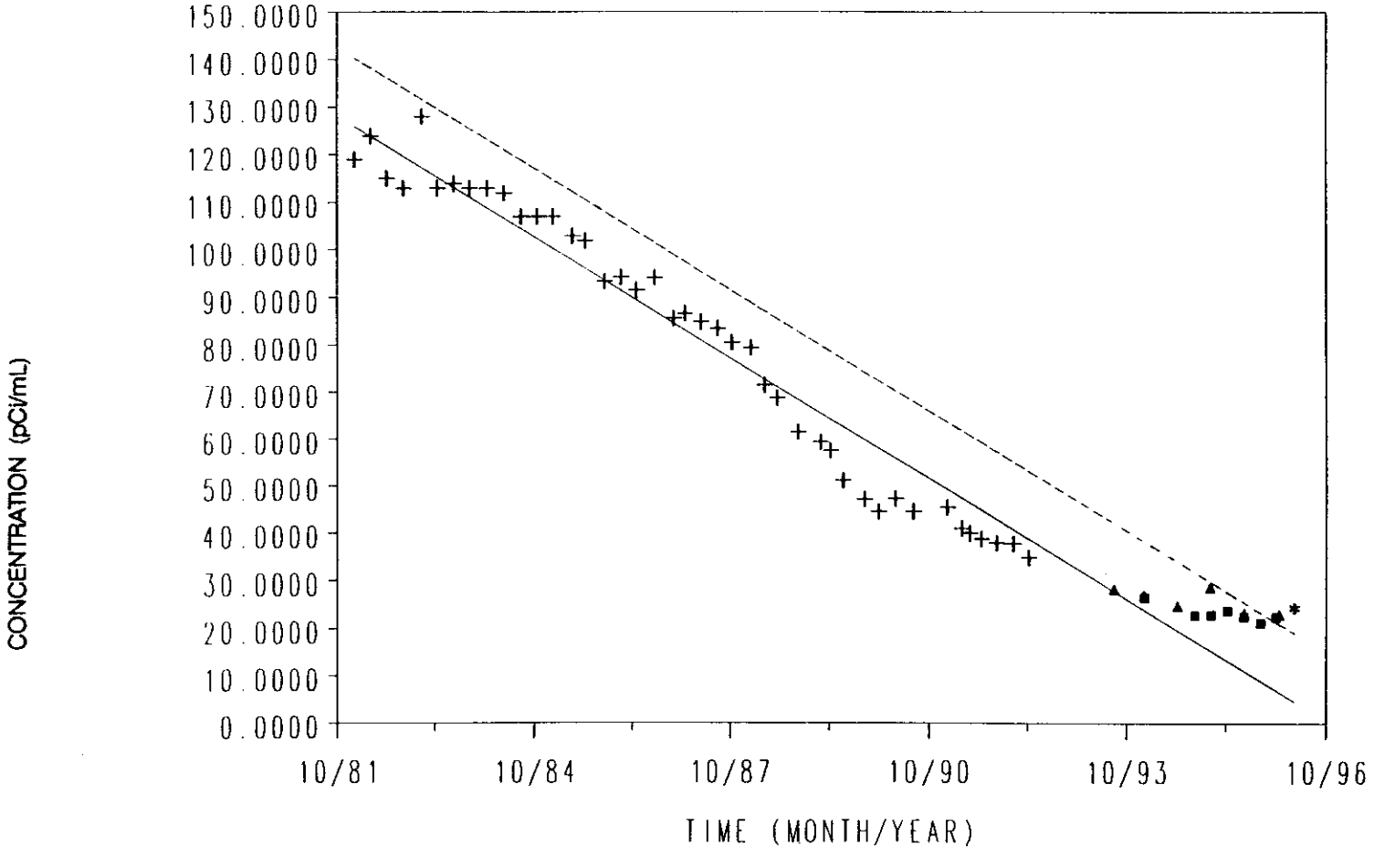
Well USGS-65 Data For Chromium



y = -0.04007x + 660.21

R Squared = 0.64

Well USGS-65 Data For Tritium



y = -0.02329x + 313.21

R Squared = 0.97

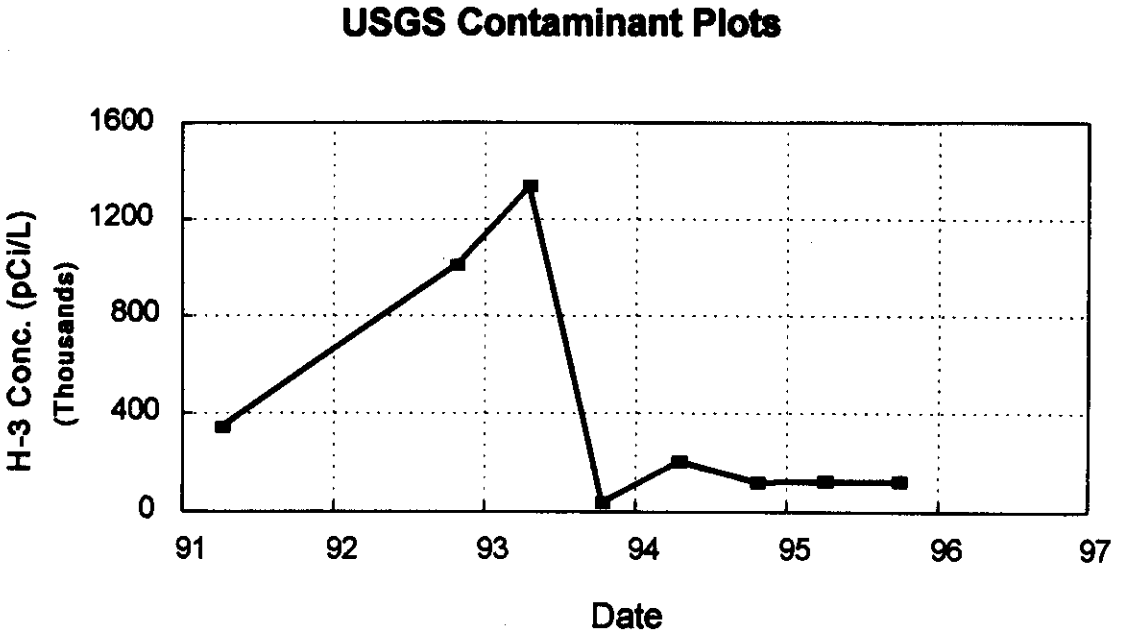


Figure D-1. Tritium versus time plot for USGS-53 (USGS data)

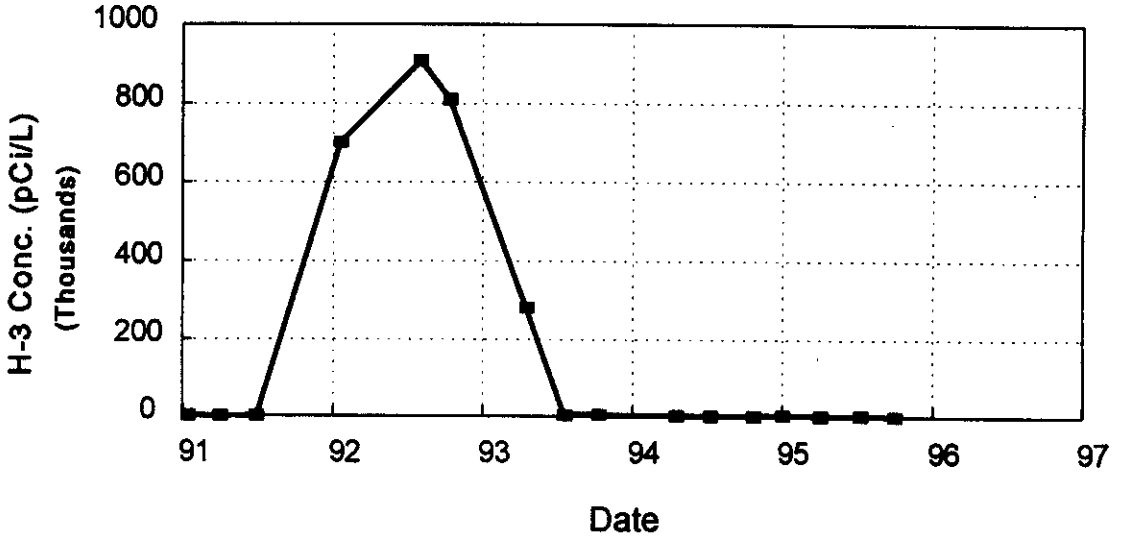


Figure D-2. Tritium versus time plot for USGS-54 (USGS data).

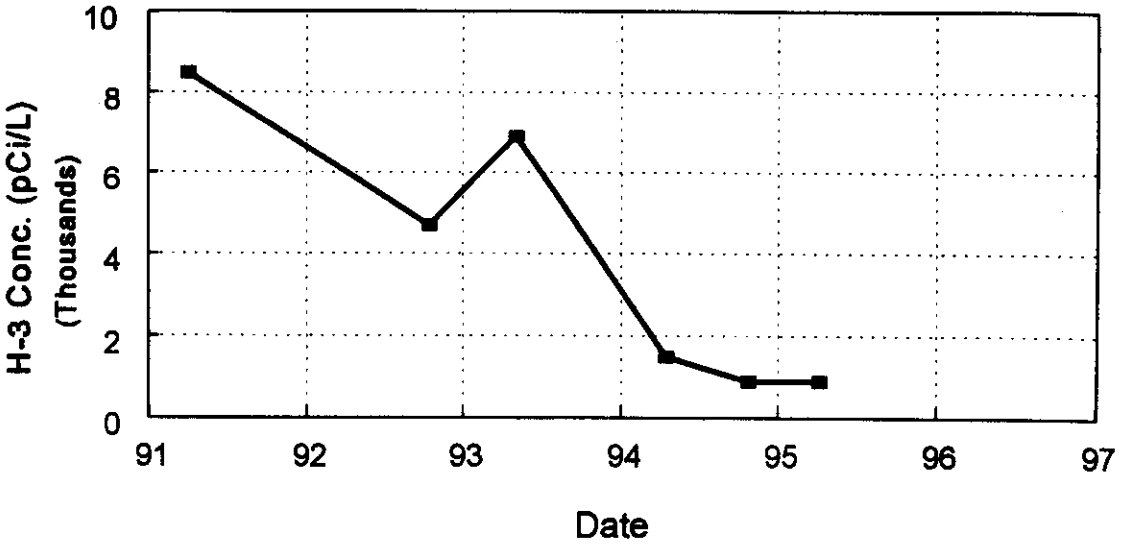


Figure D-3. Tritium versus time plot for USGS-55 (USGS data).

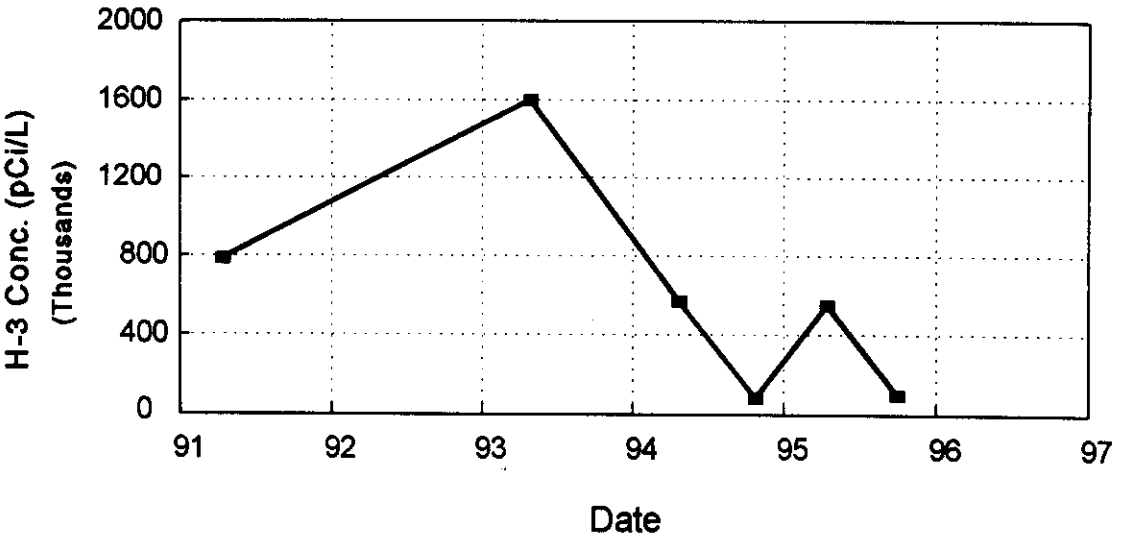


Figure D-4. Tritium versus time plot for USGS-56 (USGS data).

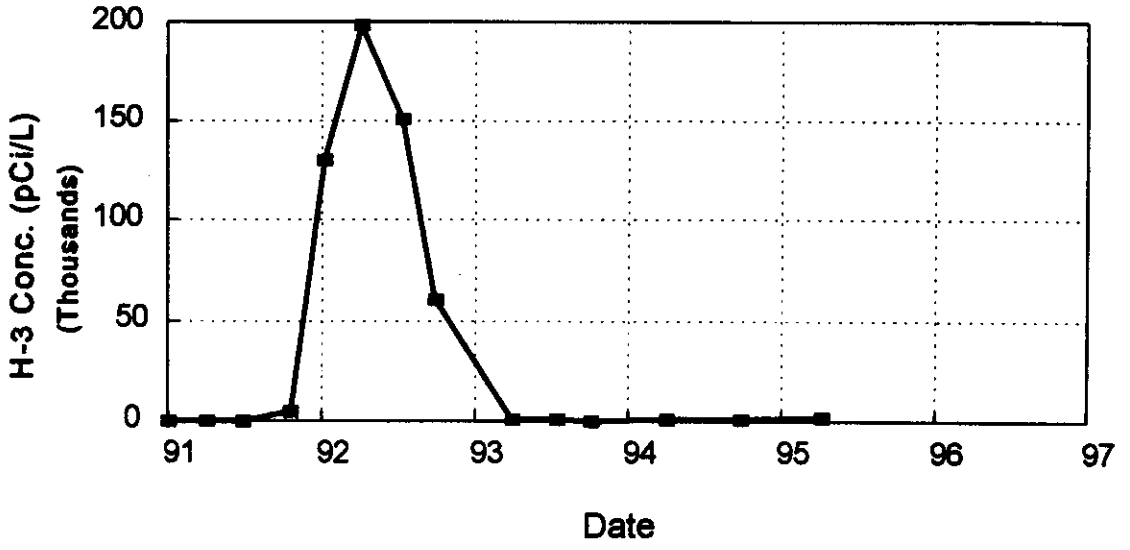


Figure D-5. Tritium versus time plot for USGS-60 (USGS data).

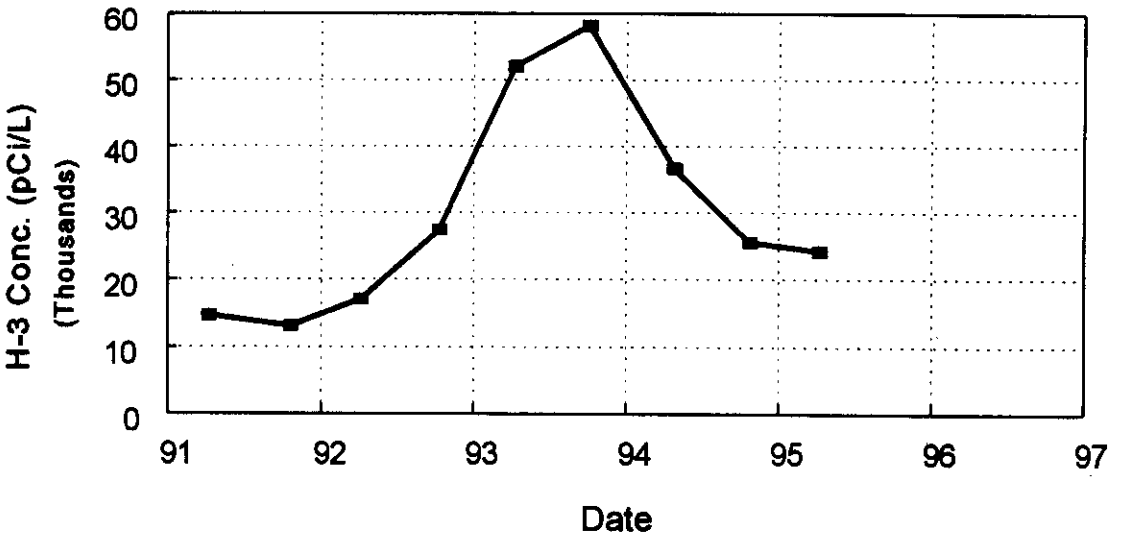


Figure D-6. Tritium versus time plot for USGS-61 (USGS data).

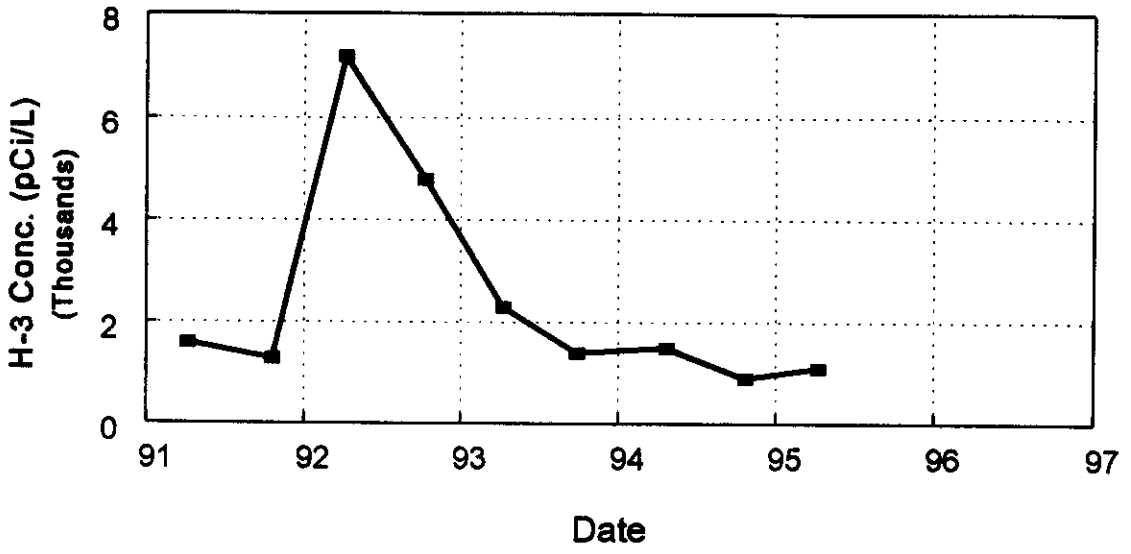


Figure D-7. Tritium versus time plot for USGS-62 (USGS data).

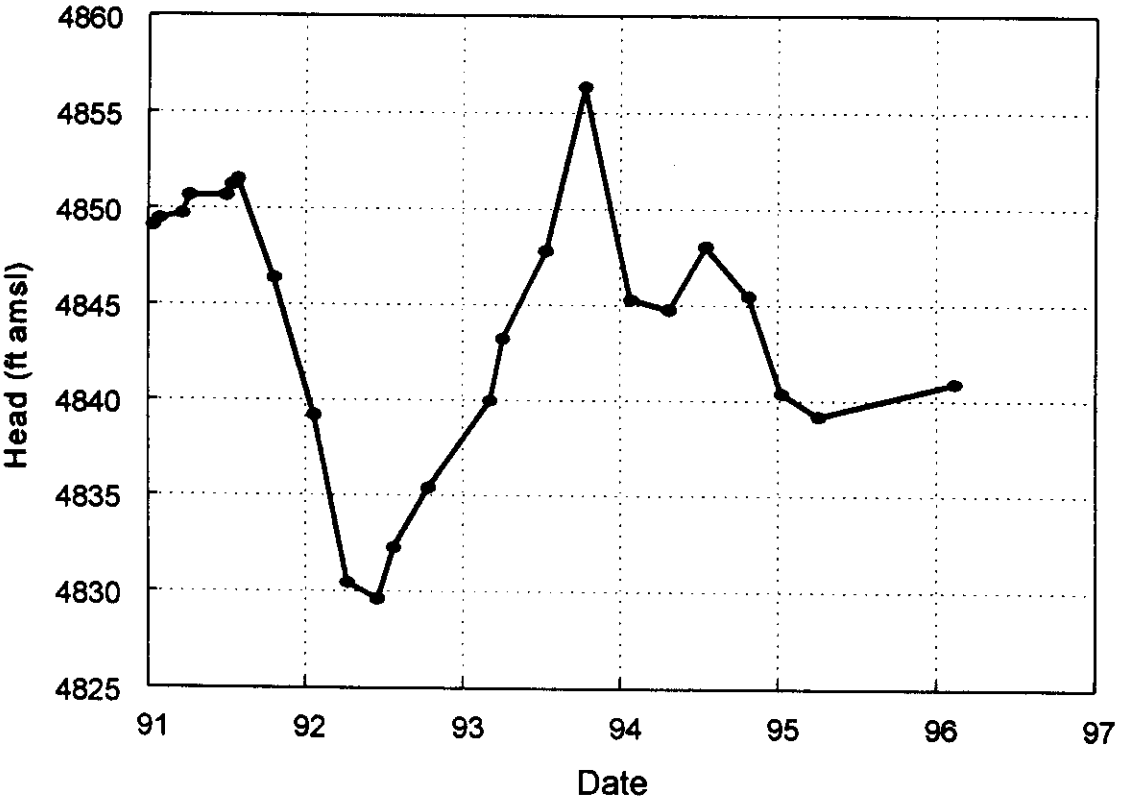


Figure D-8. Tritium versus time plot for USGS-63 (USGS data).

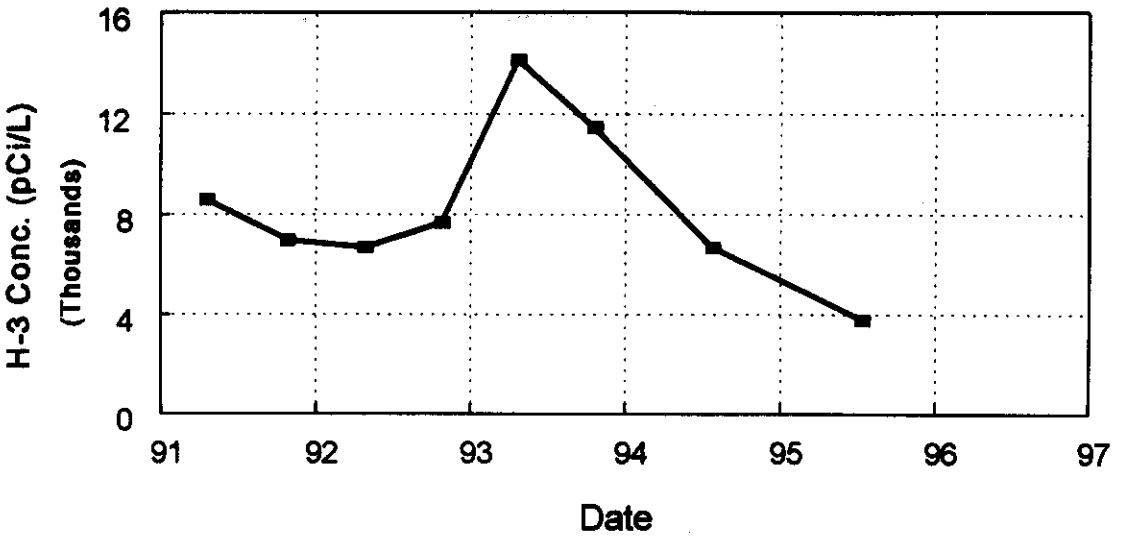


Figure D-9. Tritium versus time plot for USGS-66 (USGS data).

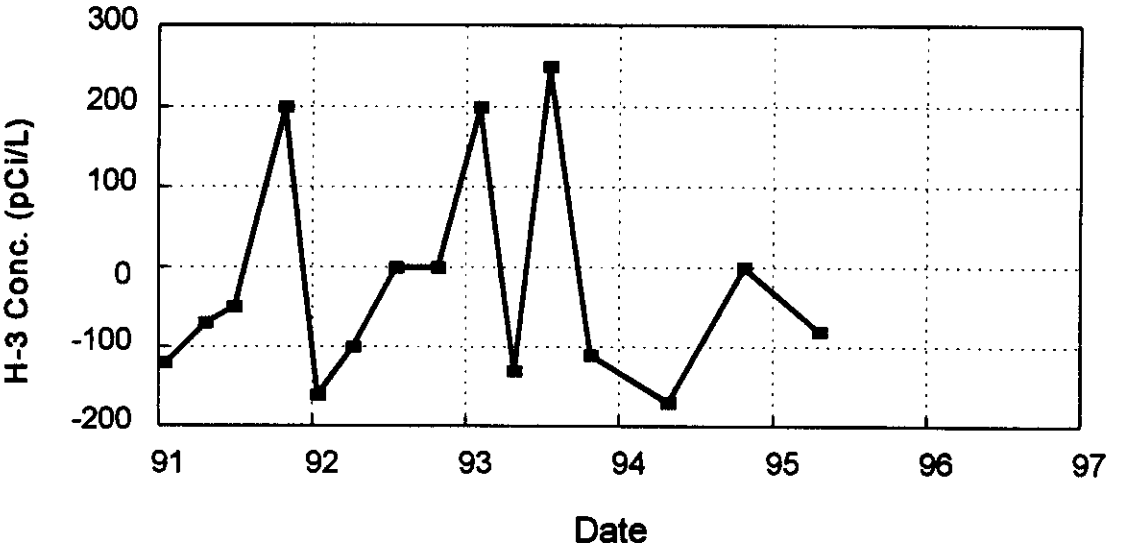


Figure D-10. Tritium versus time plot for USGS-68 (USGS data).

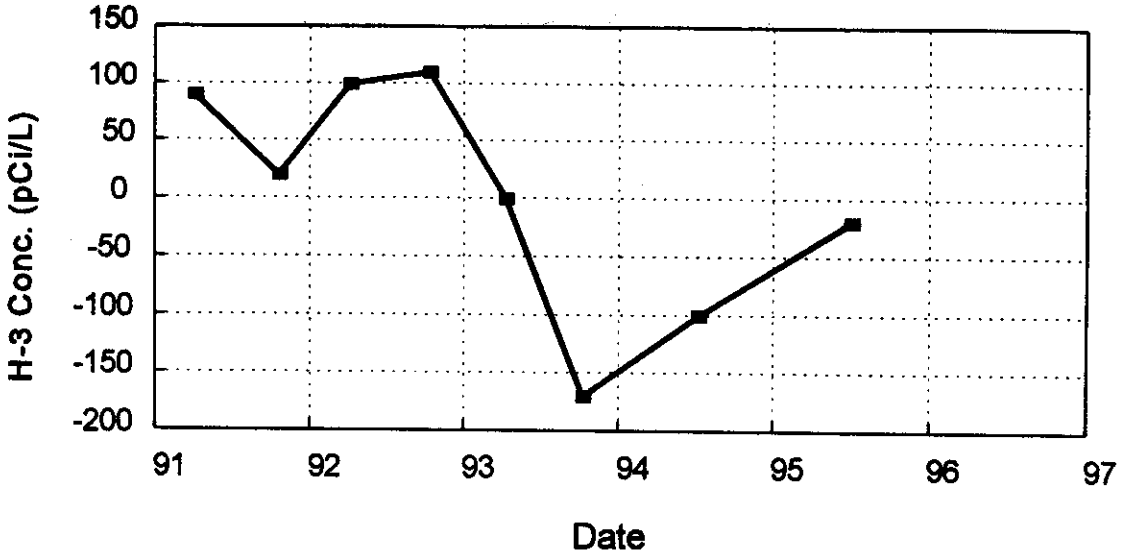


Figure D-11. Tritium versus time plot for USGS-69 (USGS data).

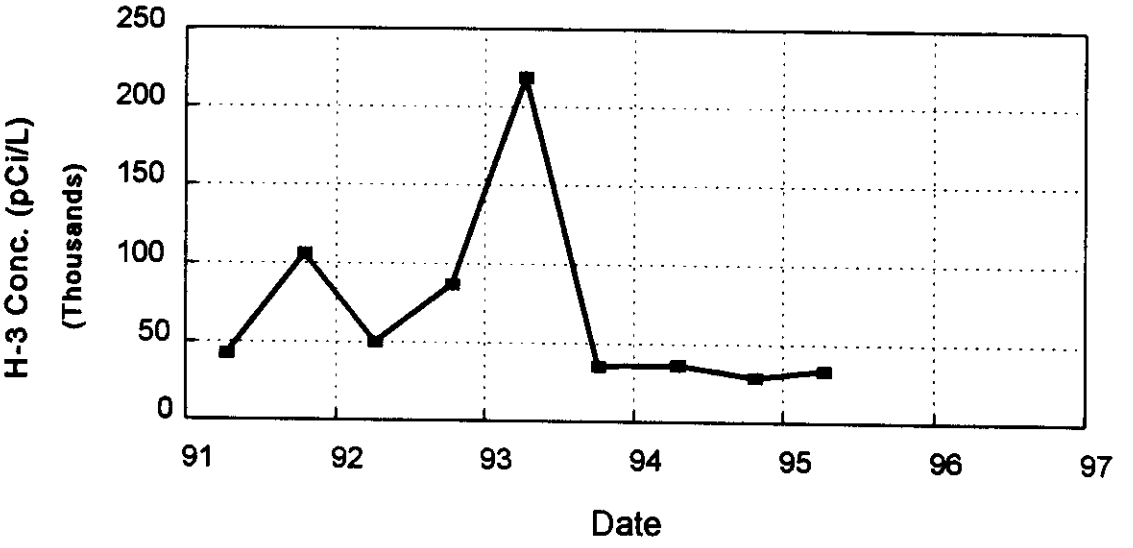


Figure D-12. Tritium versus time plot for USGS-70 (USGS data).

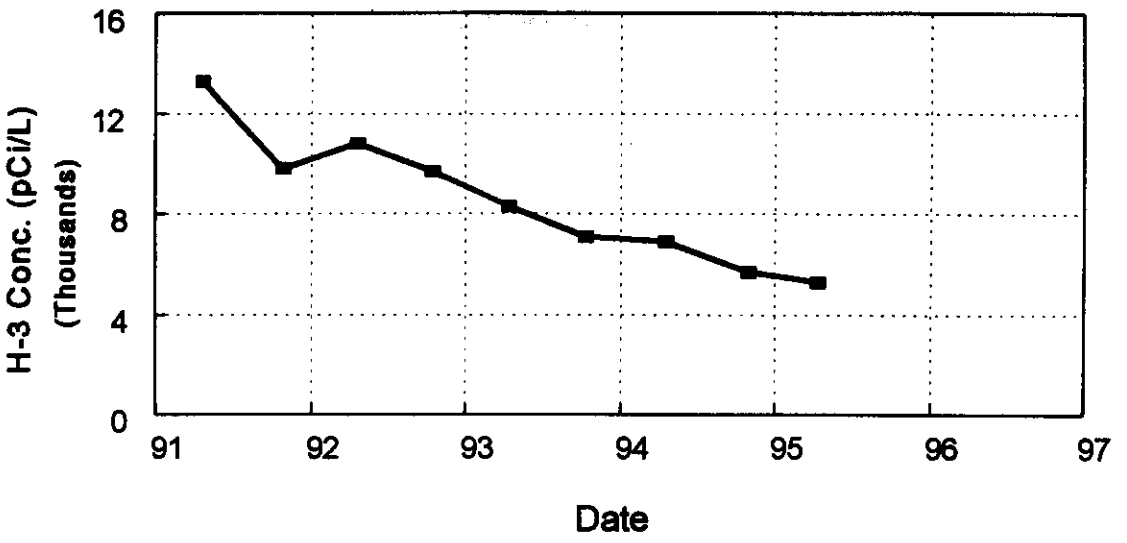


Figure D-13. Tritium versus time plot for USGS-71 (USGS data).

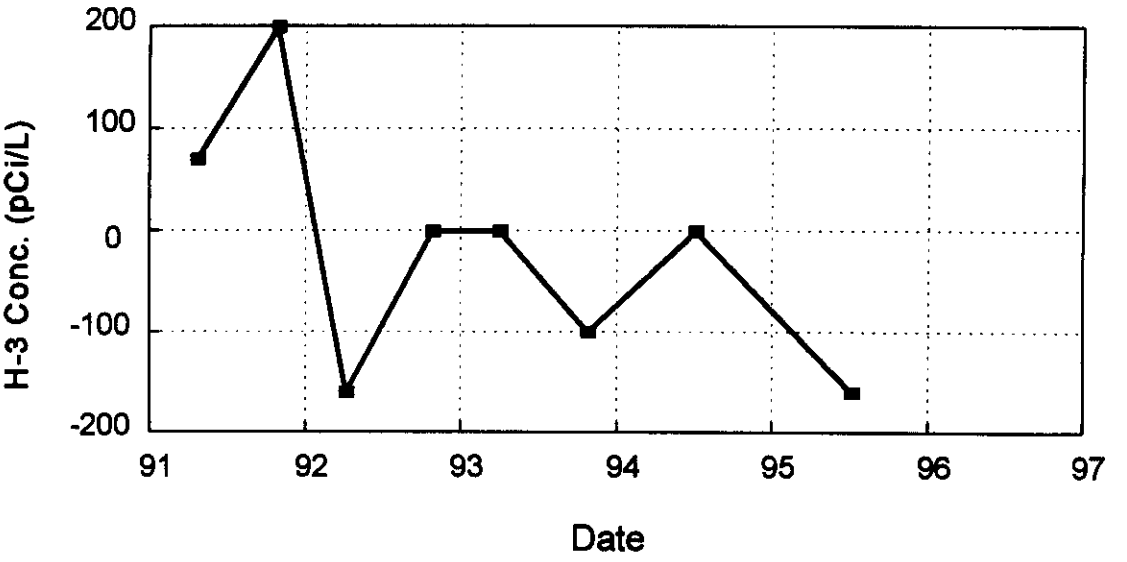


Figure D-14. Tritium versus time plot for USGS-72 (USGS data).

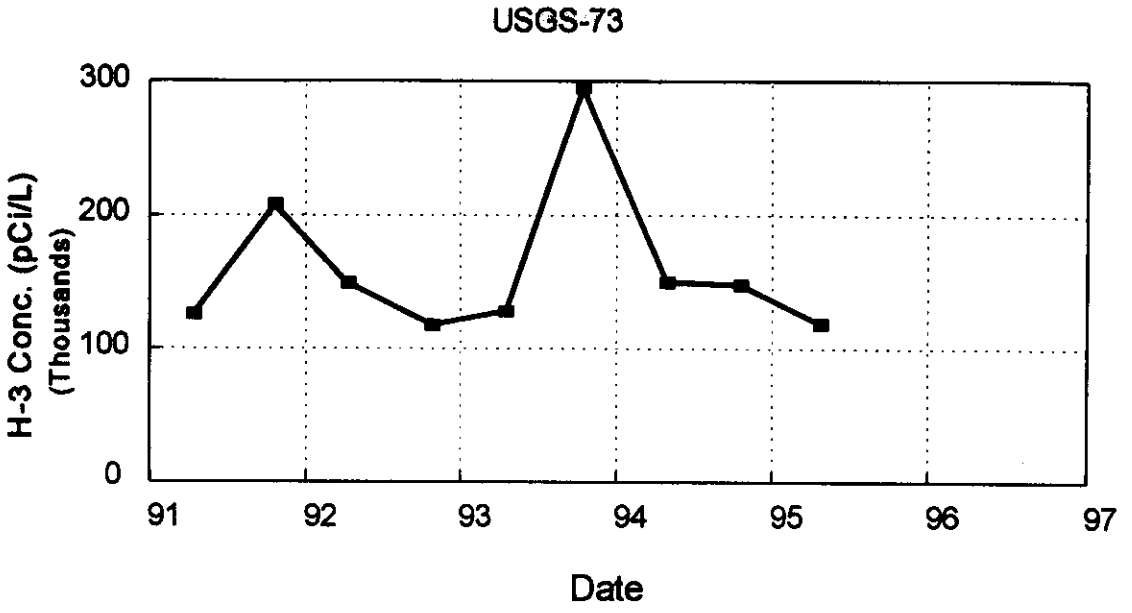


Figure D-15. Tritium versus time plot for USGS-73 (USGS data).

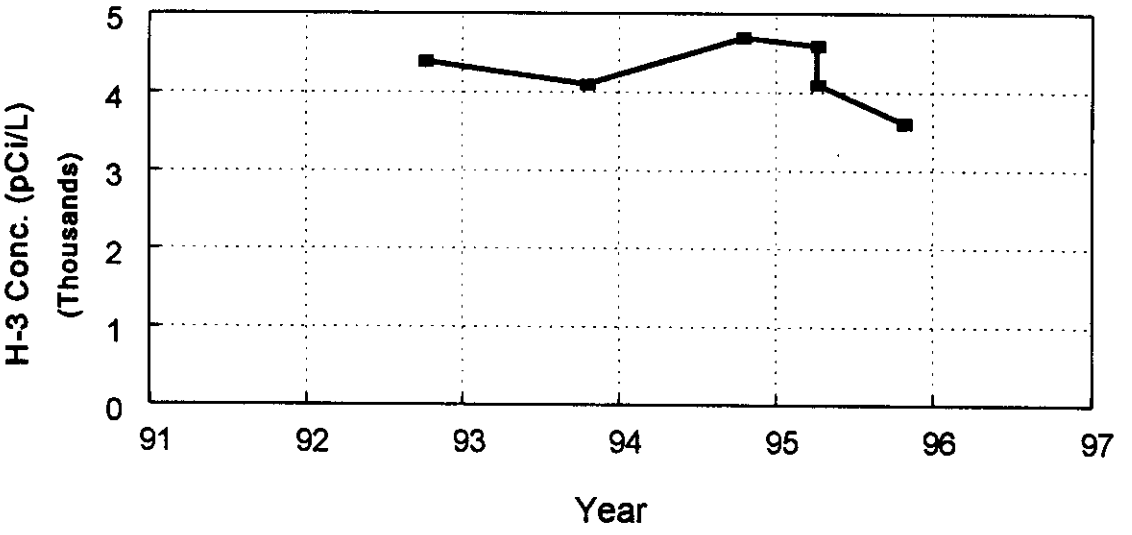


Figure D-16. Tritium versus time plot for USGS-58 (USGS data).

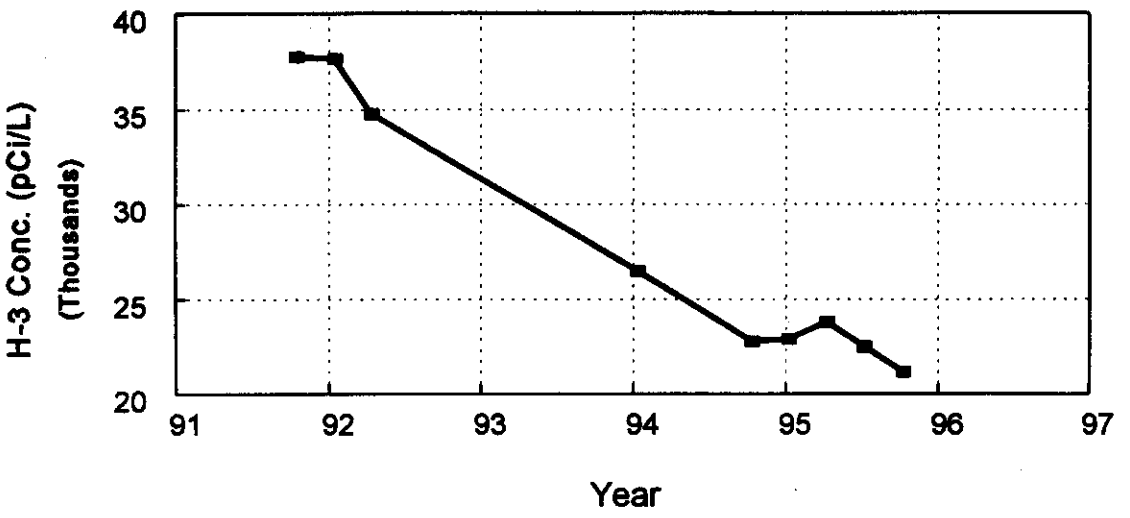


Figure D-17. Tritium versus time plot for USGS-65 (USGS data).

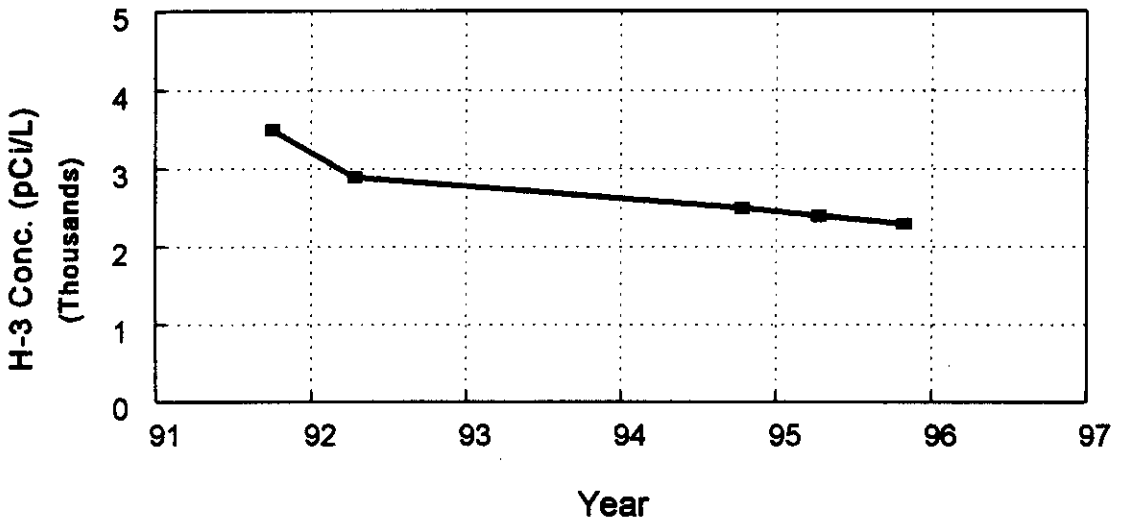


Figure D-18. Tritium versus time plot for USGS-76 (USGS data).

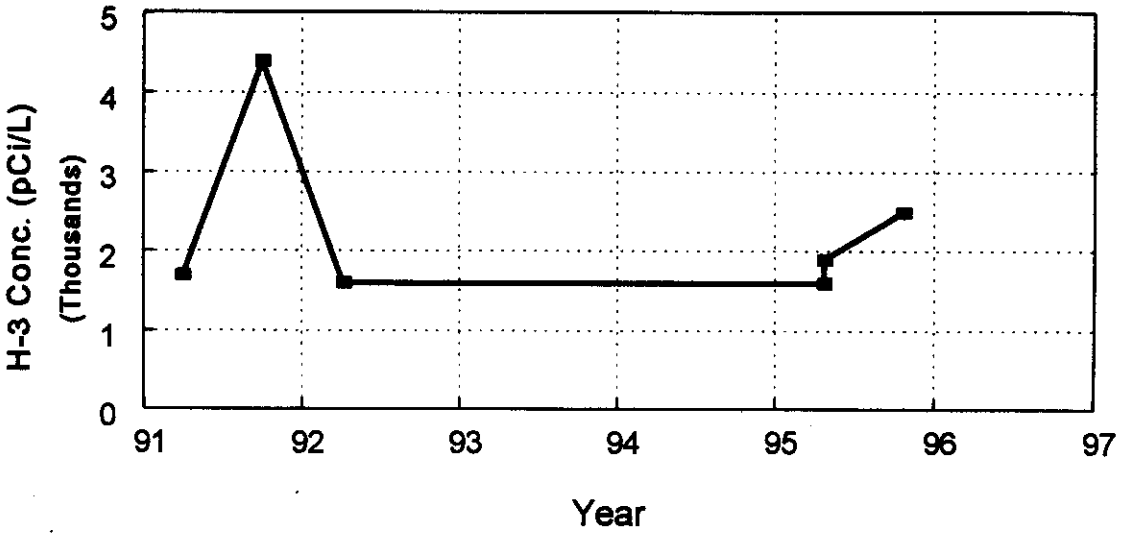


Figure D-19. Tritium versus time plot for MTR-TEST (USGS data).

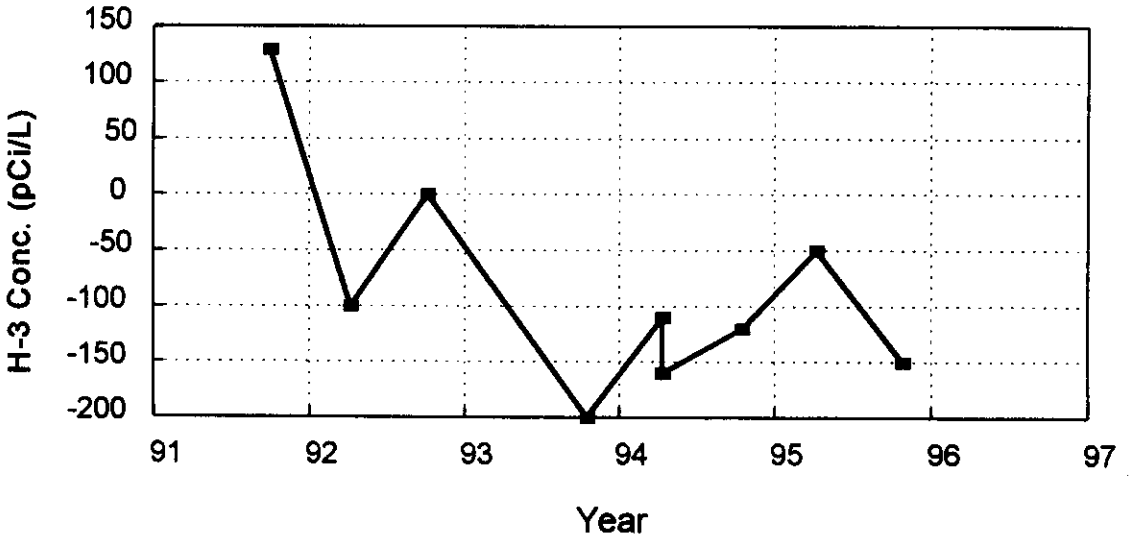


Figure D-20. Tritium versus time plot for USGS-79 (USGS data).

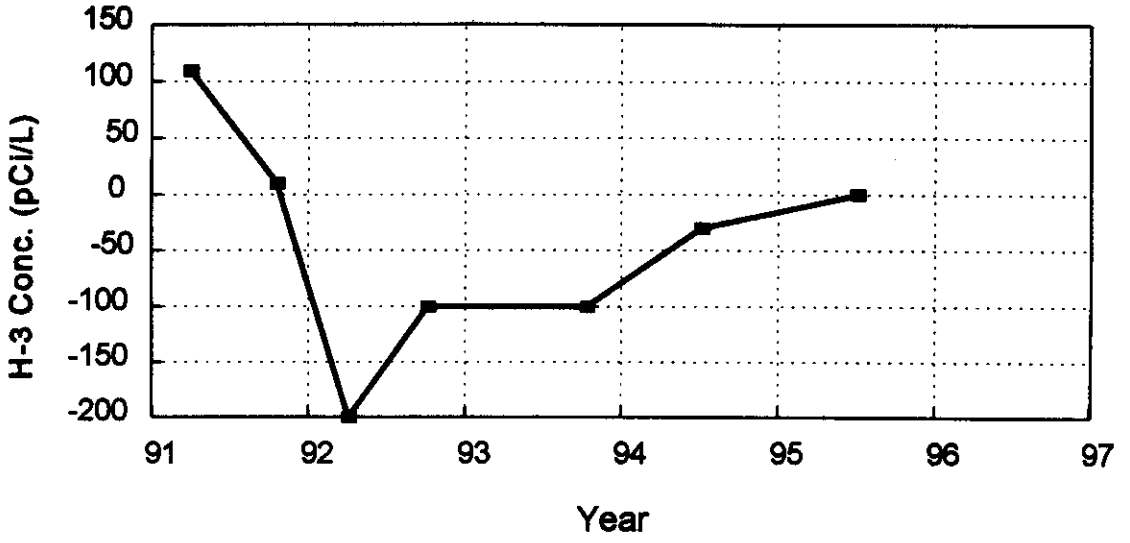


Figure D-21. Tritium versus time plot for SITE-19 (USGS data).

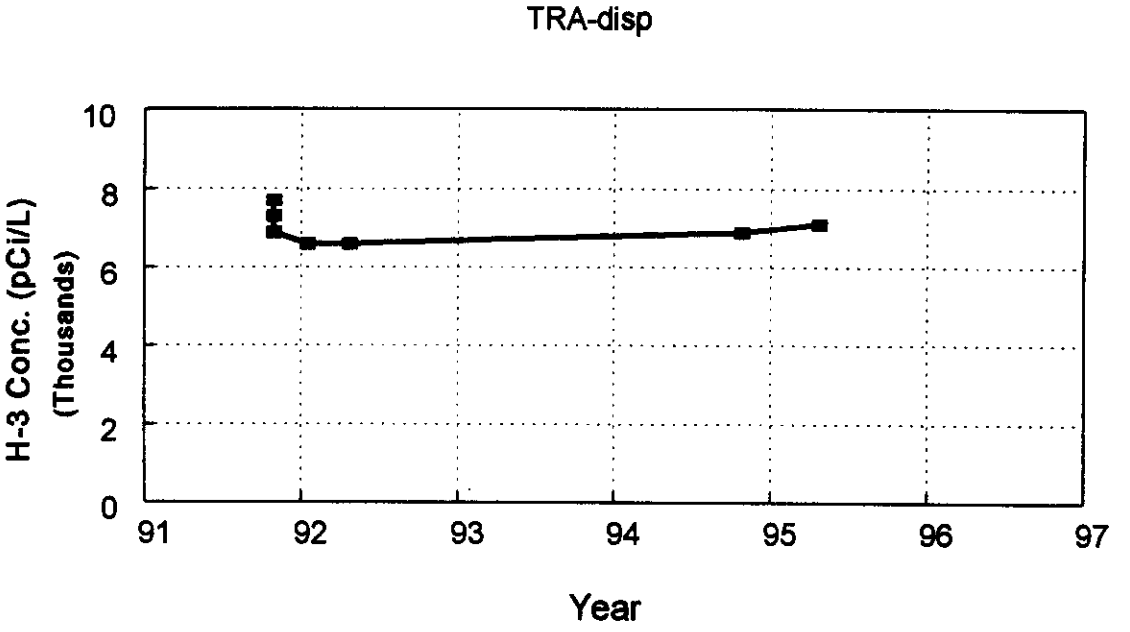


Figure D-22. Tritium versus time plot for TRA-disp (USGS data).

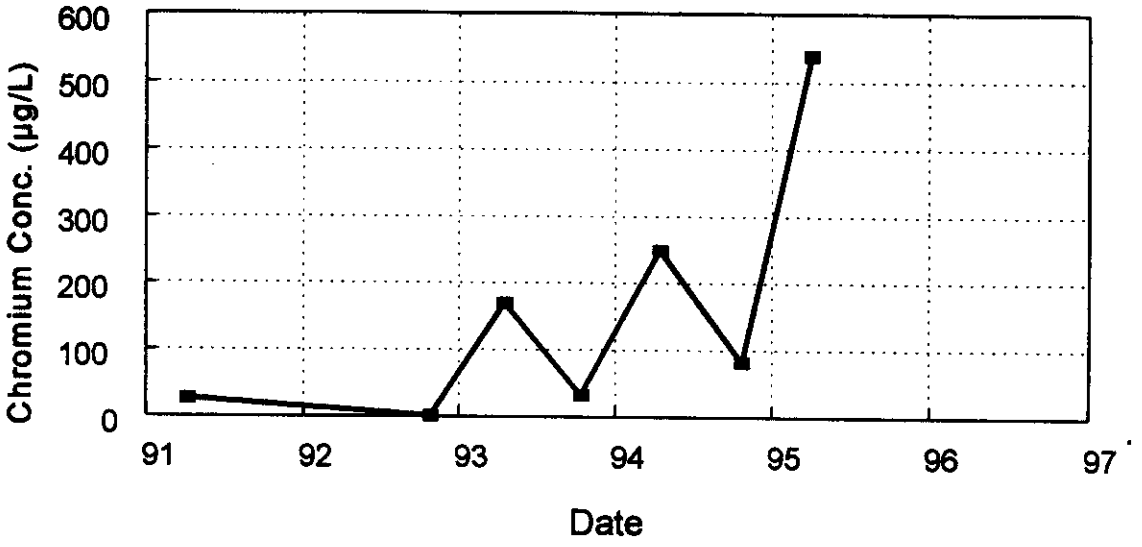


Figure D-23. Chromium versus time plot for USGS-53 (USGS data)

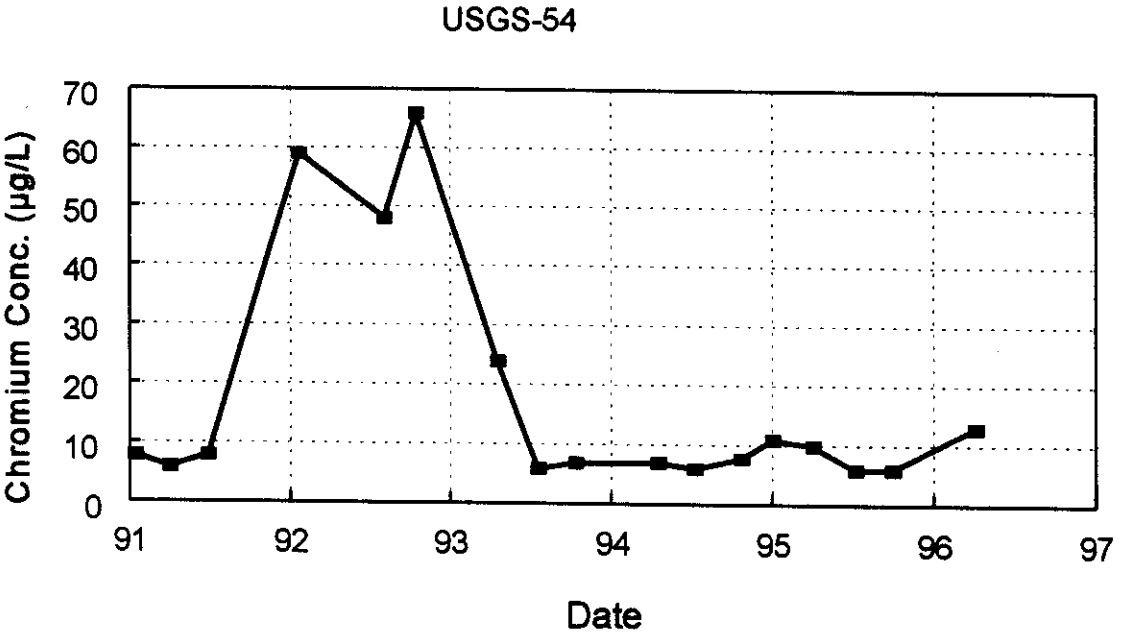


Figure D-24.Chromium versus time plot for USGS-54 (USGS data).

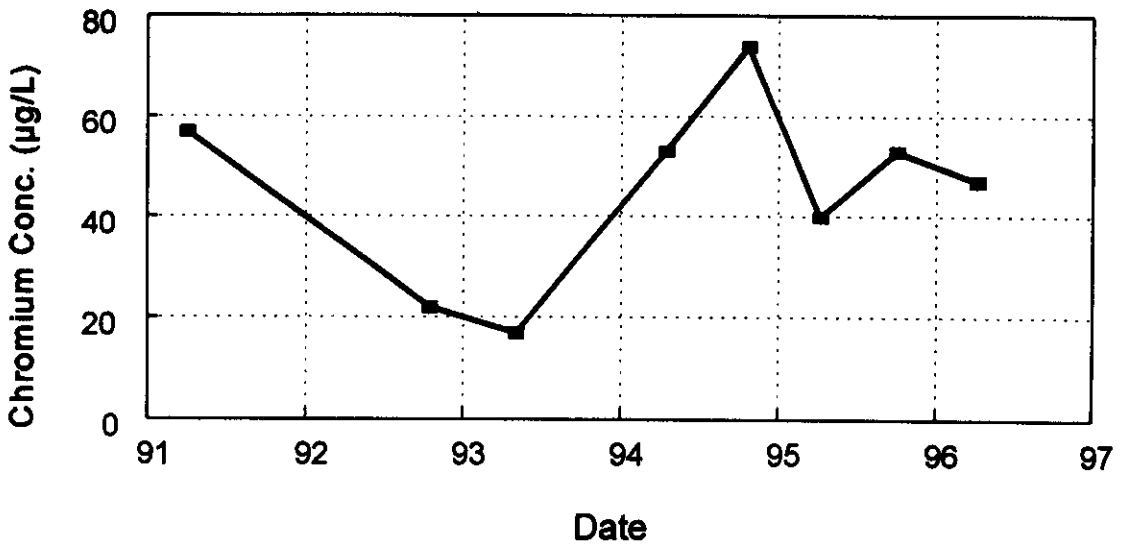


Figure D-25. Chromium versus time plot for USGS-55 (USGS data).

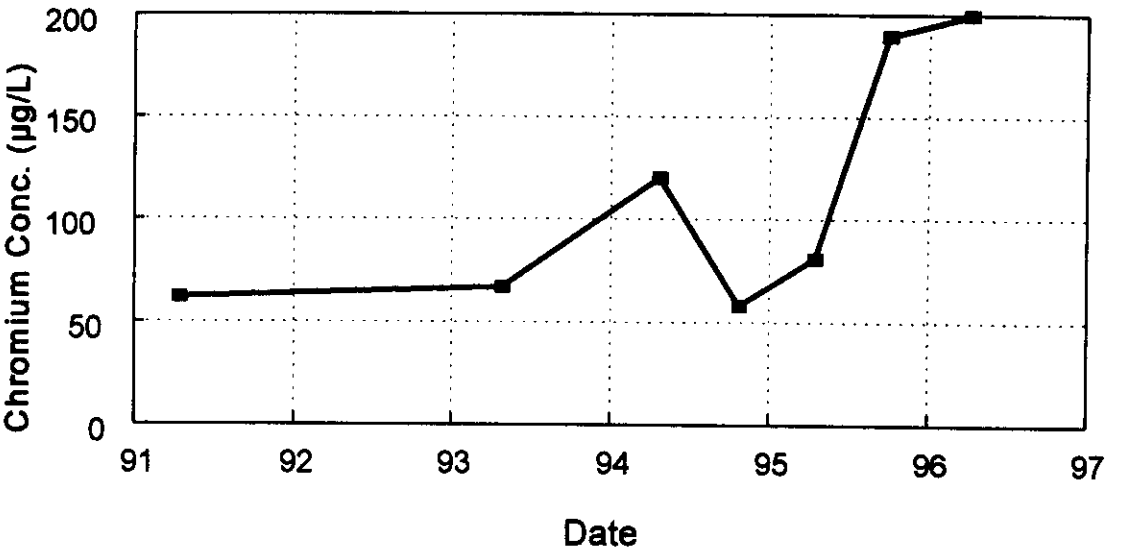


Figure D-26. Chromium versus time plot for USGS-56 (USGS data).

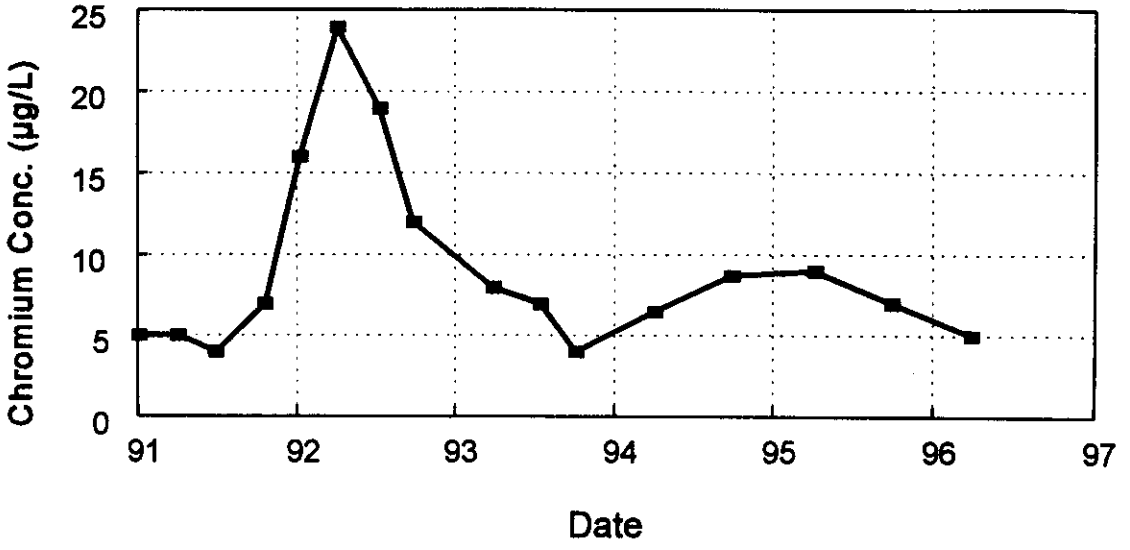


Figure D-27. Chromium versus time plot for USGS-60 (USGS data).

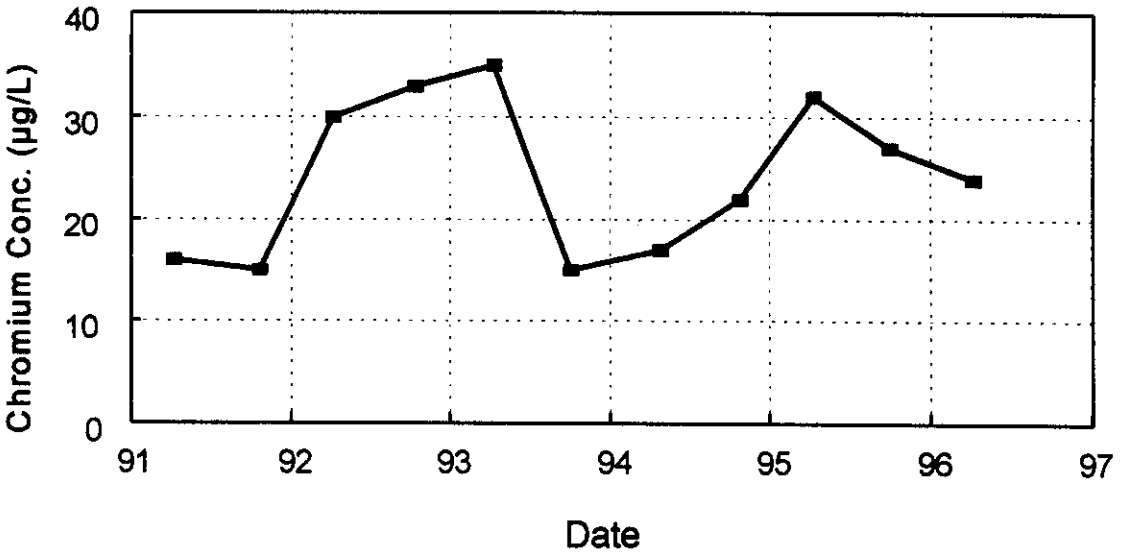


Figure D-28. Chromium versus time plot for USGS-61 (USGS data).

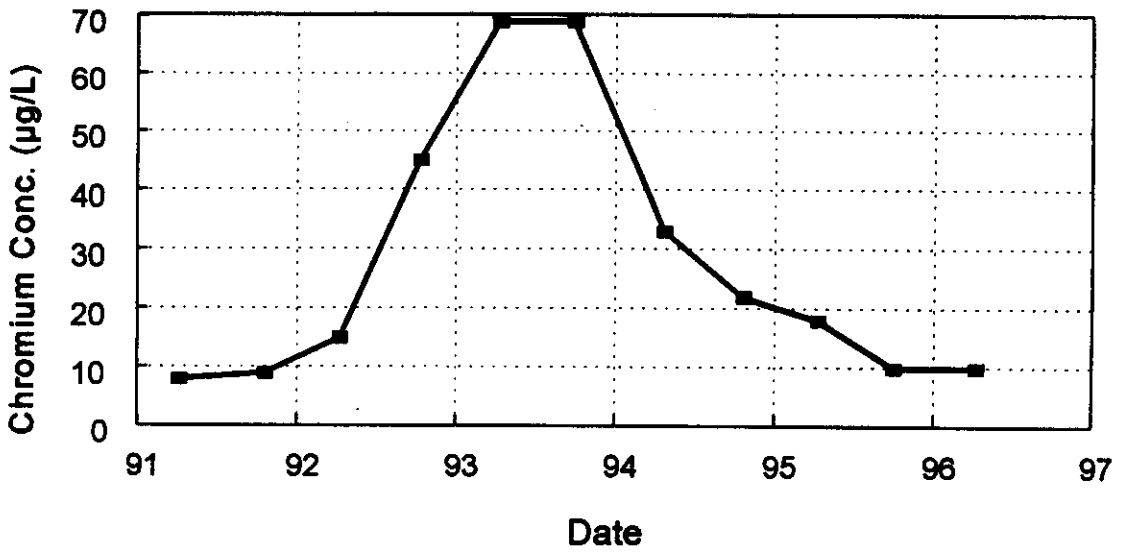


Figure D-29. Chromium versus time plot for USGS-62 (USGS data).

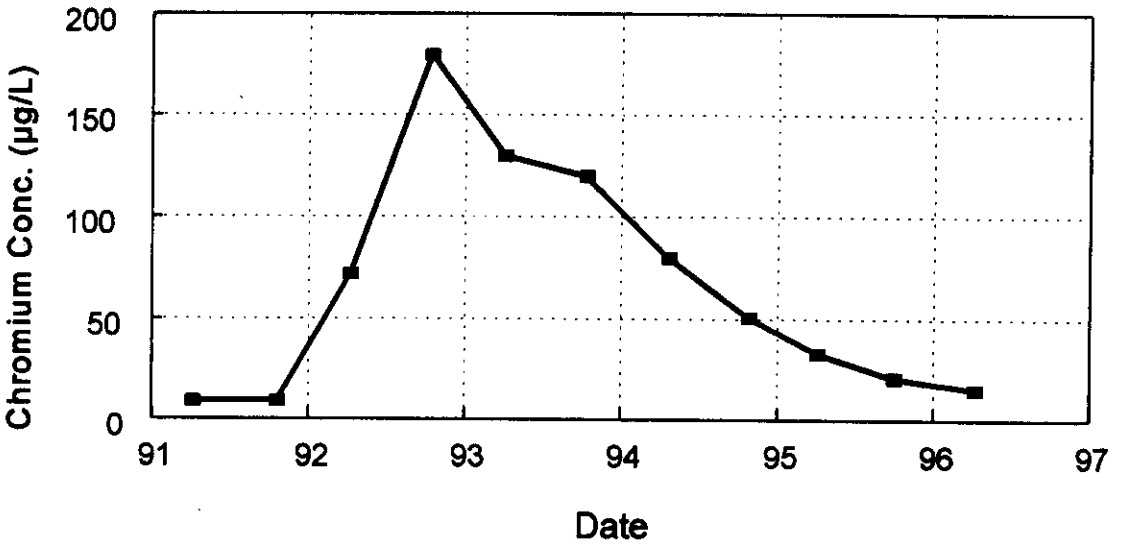


Figure D-30. Chromium versus time plot for USGS-63 (USGS data).

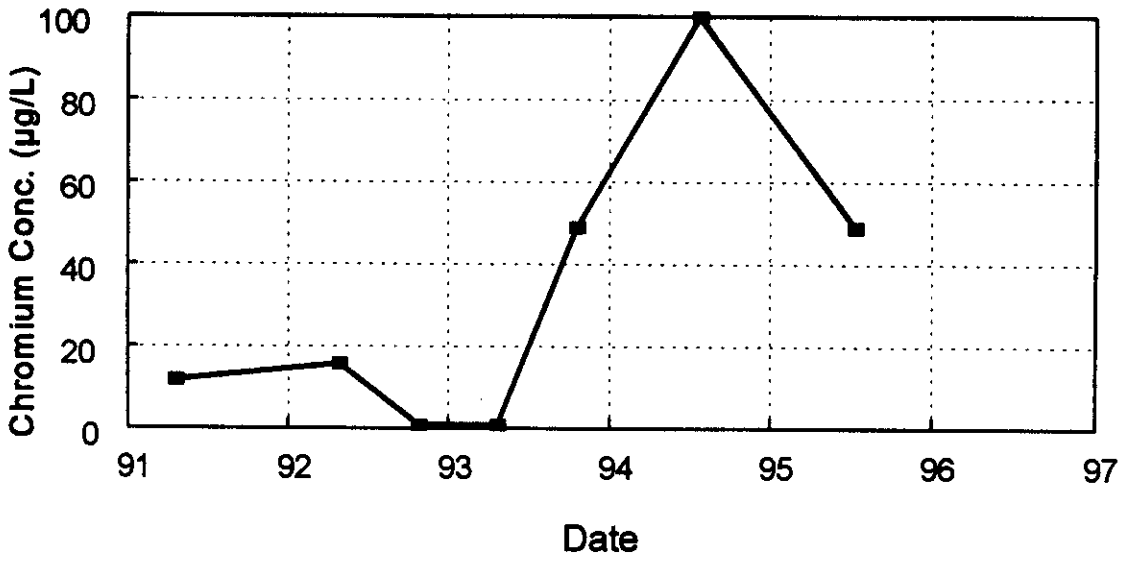


Figure D-31. Chromium versus time plot for USGS-66 (USGS data).

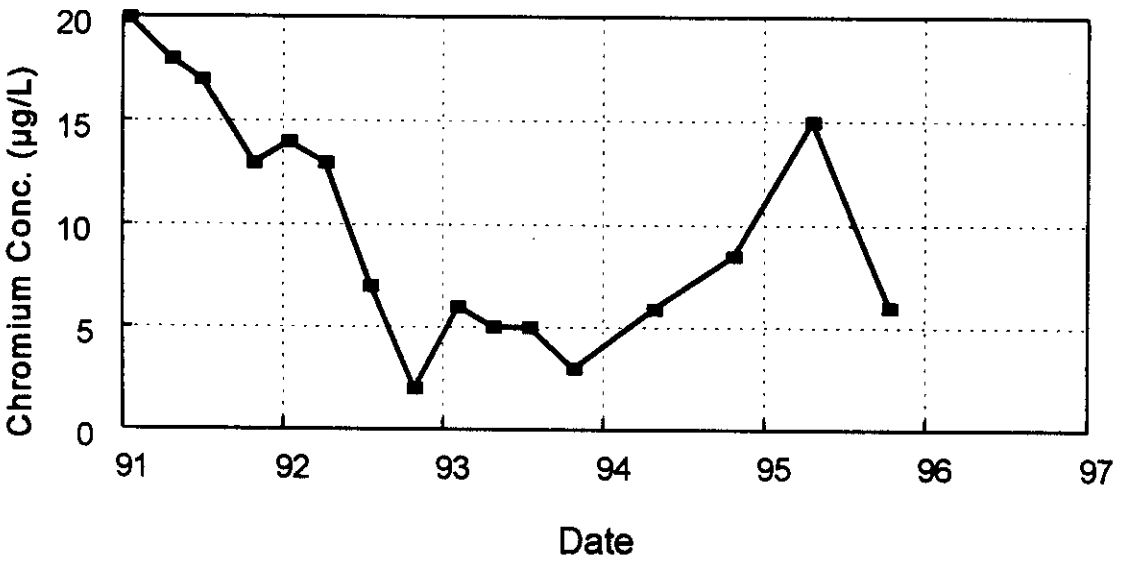


Figure D-32. Chromium versus time plot for USGS-68 (USGS data).

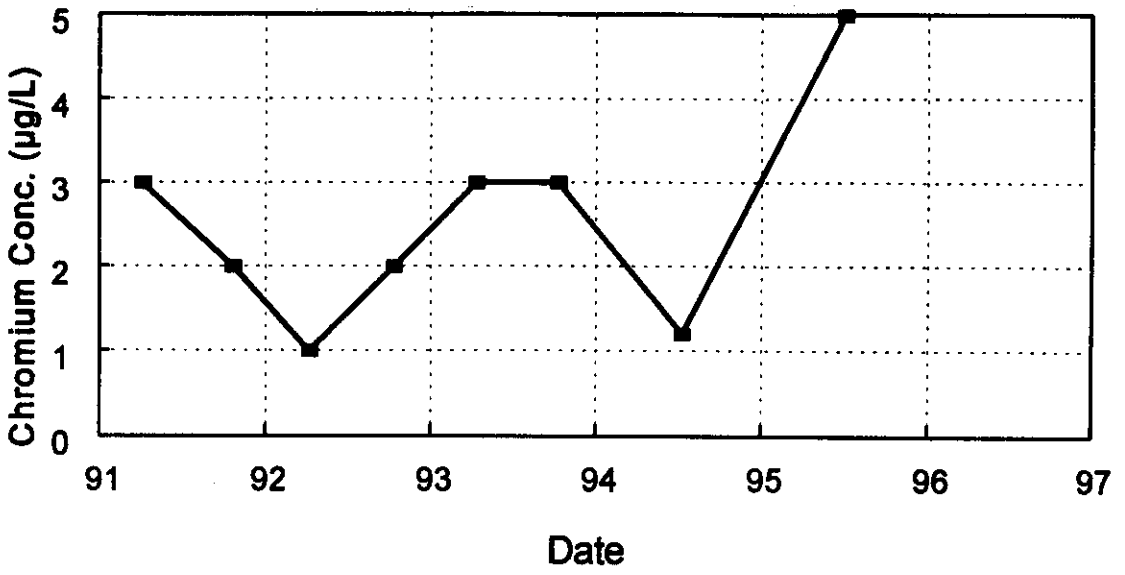


Figure D-33. Chromium versus time plot for USGS-69 (USGS data).

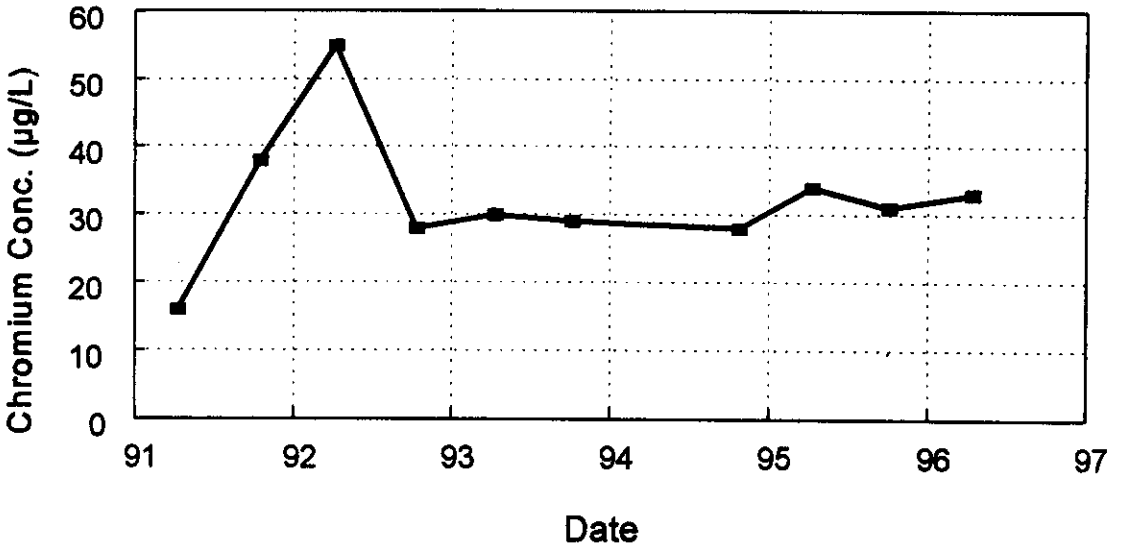


Figure D-34. Chromium versus time plot for USGS-70 (USGS data).

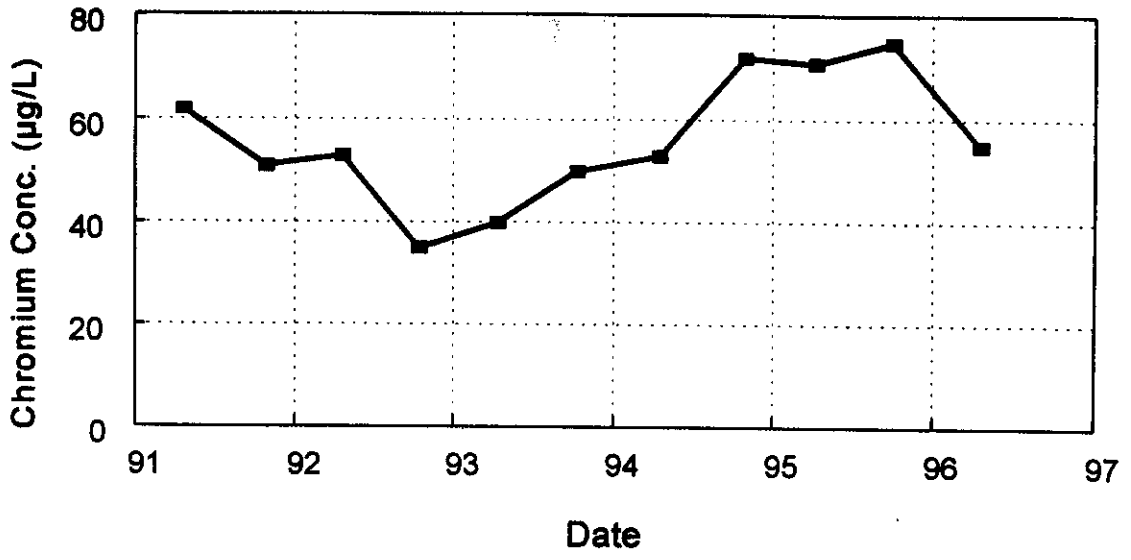


Figure D-35. Chromium versus time plot for USGS-71 (USGS data).

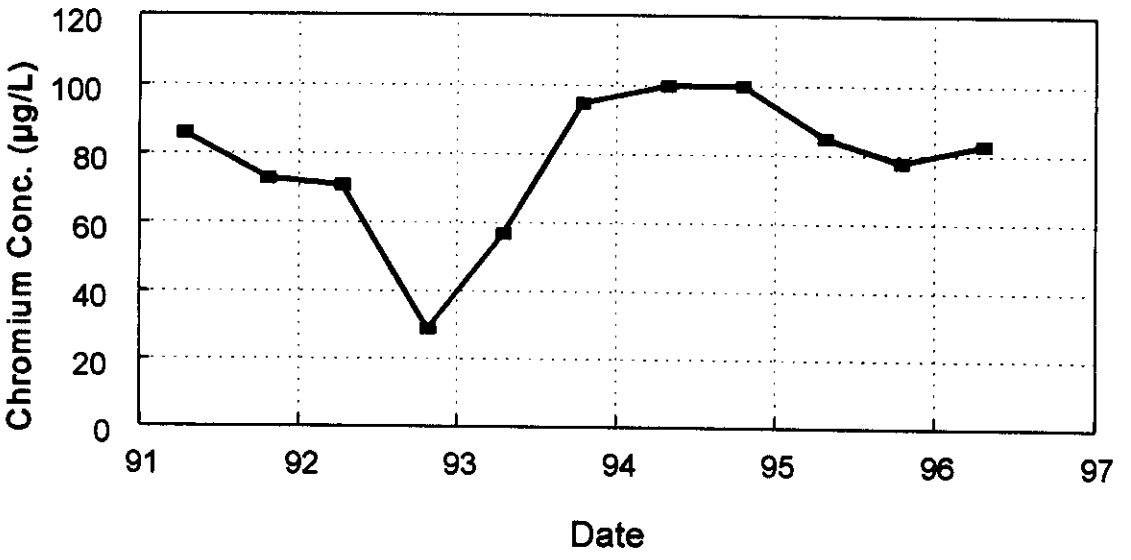


Figure D-36. Chromium versus time plot for USGS-73 (USGS data).

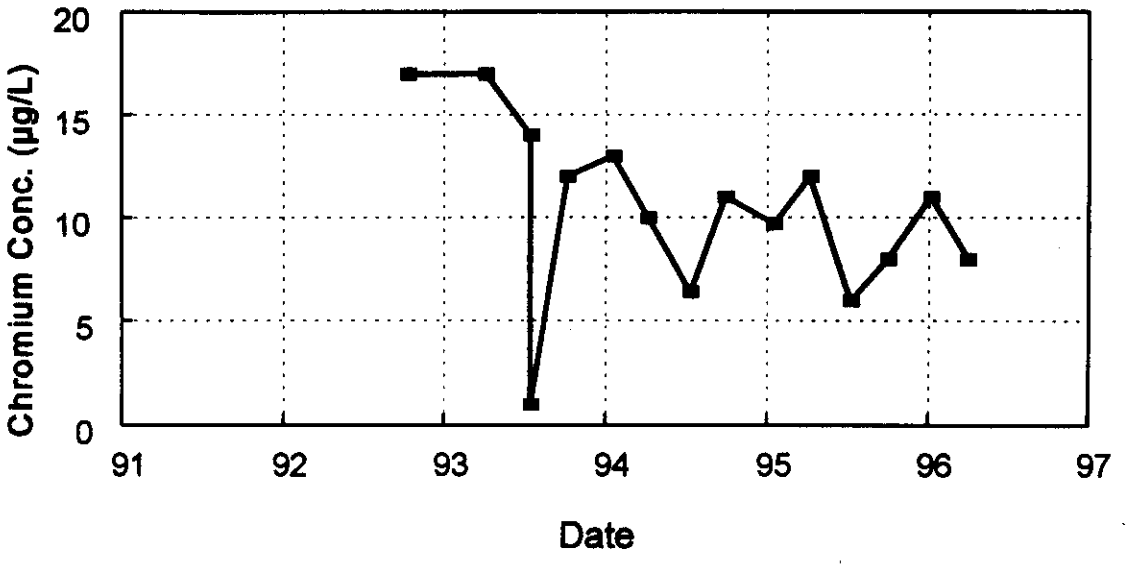


Figure D-37. Chromium versus time plot for PW-8 (USGS data).

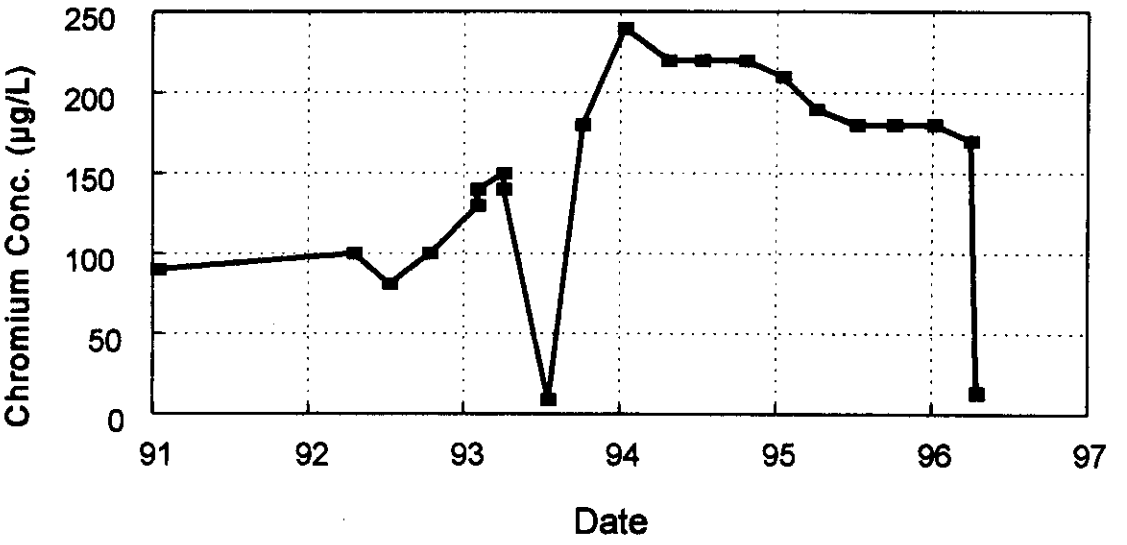


Figure D-38. Chromium versus time plot for PW-9 (USGS data).

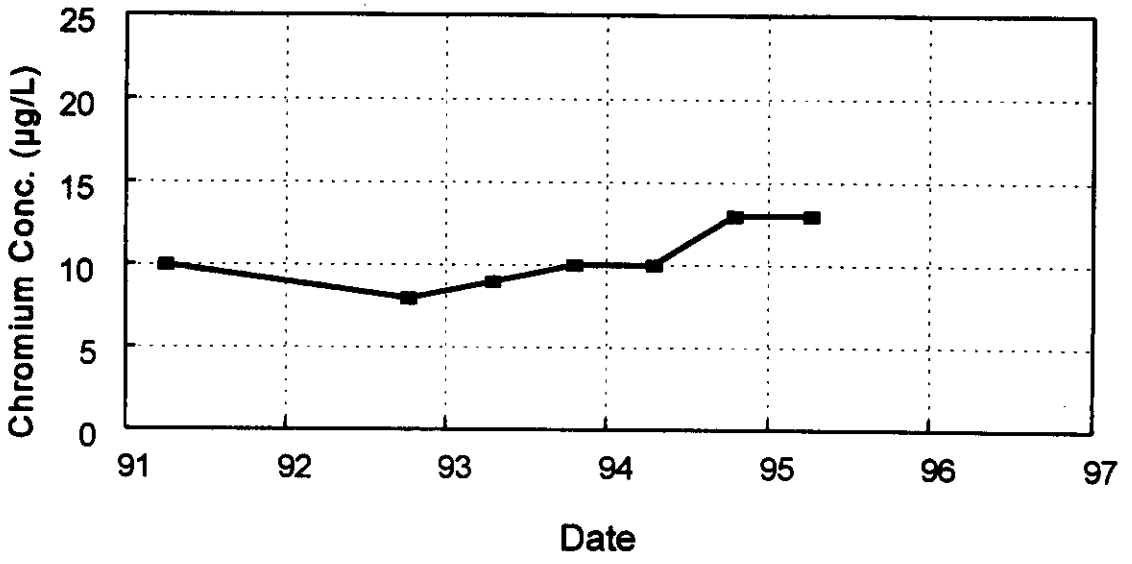


Figure D-39. Chromium versus time plot for USGS-58 (USGS data).

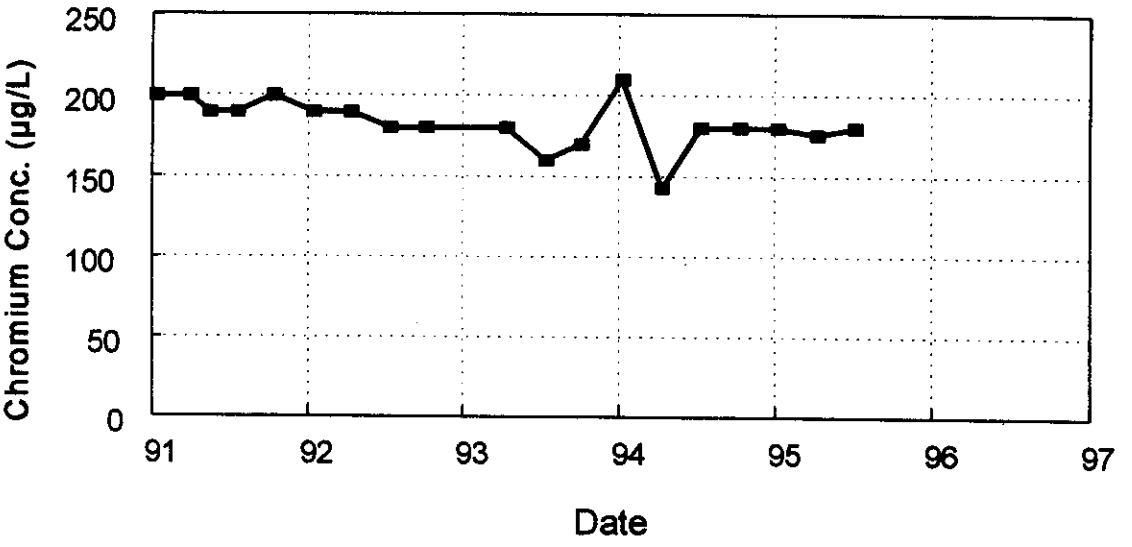


Figure D-40. Chromium versus time plot for USGS-65 (USGS data).

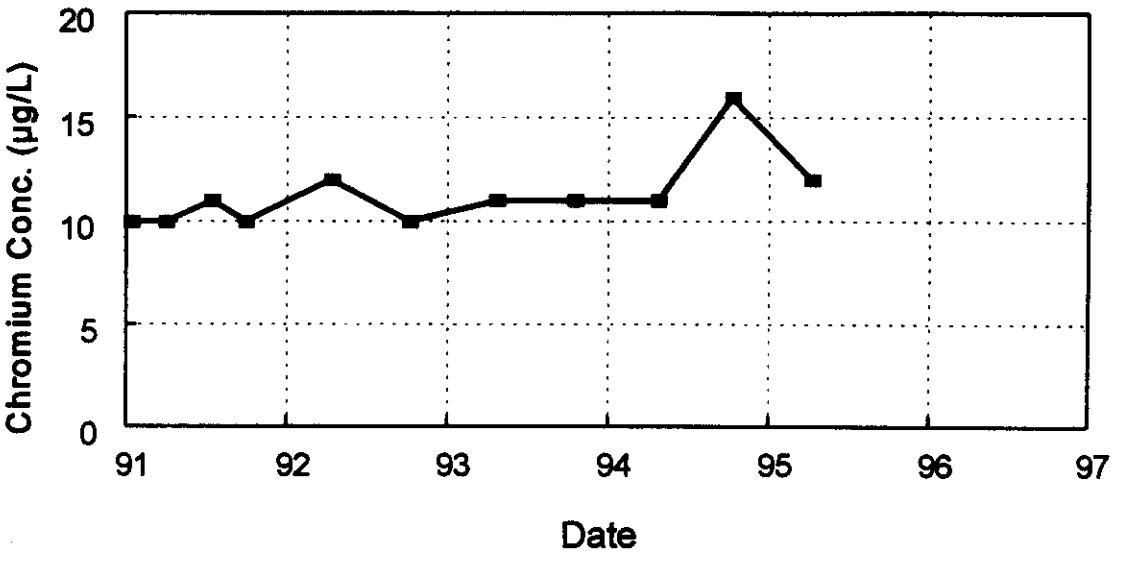


Figure D-41. Chromium versus time plot for USGS-76 (USGS data).

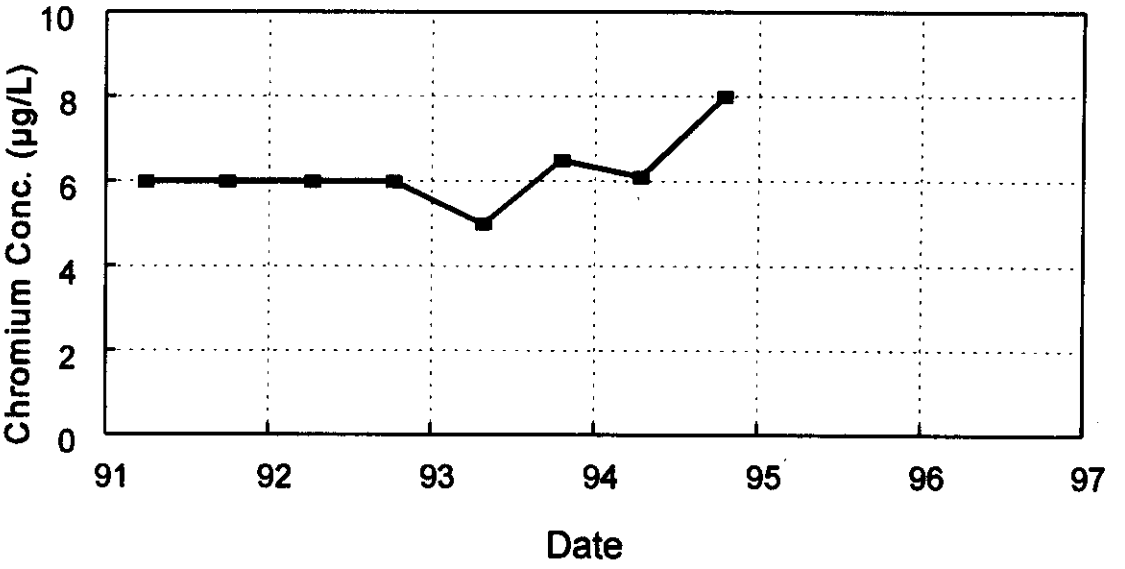


Figure D-42. Chromium versus time plot for USGS-79 (USGS data).

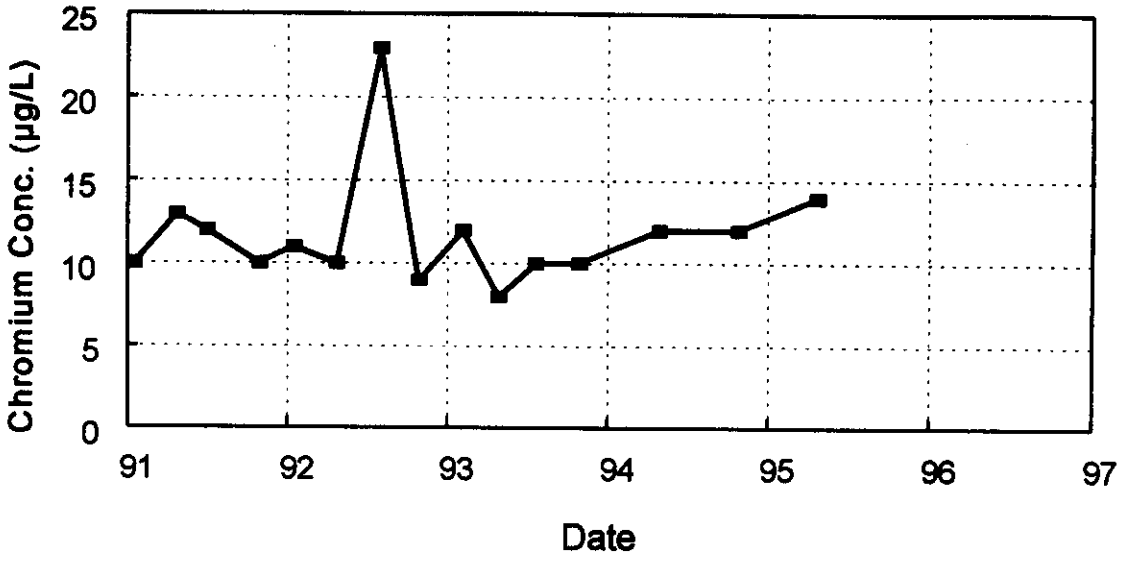


Figure D-43. Chromium versus time plot for TRA-disp (USGS data).

APPENDIX E - COMPUTER CONTOURING METHODS

The contour maps in this report were generated with computer software (SURFER © Golden Software, 1994) to permit computerized comparison of the spatial head distributions at different times. The computer-generated contour maps used actual field measurements supplemented by estimated heads at selected interpretation control points in areas where data were sparse or lacking. In some cases, the interpretation control points were well locations where water level data were not available at the time of interest. The use of estimated values as interpretation control points is a means of including in the computerized contouring process the interpretation that one would use in hand drawing the contours. There is often insufficient direct data for a computer contouring program to produce a map that an experienced analyst would draw by hand. Without some form of interpretive input from the analyst, computerized contouring often results in some unwarranted extrapolation of local trends. For the deep perched water system (DPWS) maps included in this report, interpretation control points were needed to help define the limits of the DPWS. The INEL scale regional set of heads were used for the aquifer head contour maps. Thus no extrapolation was required and no interpretation control points were used to prepare the aquifer contour maps. A series of articles on computer mapping and contouring appeared in the June and August 1992 issues of GEOBYTE magazine. These articles discuss the benefits and pitfalls of computerized contouring and the need and methods of including interpretation into the process as is done with hand contouring.

APPENDIX F - WELL COMPLETIONS

Table F-1. Deep Perched well completions

Well Name	Total Depth (ft)	Open Interval (ft)	Depth to Water (ft blsd)	Land Elevation (ft amsl)
PW-7	240	200-225		4925.51
PW-8	188	140-165		4918.92
PW-9	201	140-200		4927.58
PW-10	150	108-128		4921.37
PW-11	168.8	109-129		4916.49
PW-12	141.1	108-128		4923.71
PW-13				4923.82
PW-14	136.2	93-123		4918.68
PZ-1	297	97.7-127.7		4927.54
USGS-53	90	50-67 75-80		4922.14
USGS-54	91	60-91		4920.94
USGS-55	81	43.92-81		4919.15
USGS-56	80	59.28-80		4921.44
USGS-60	117	59-117		4918.26
USGS-61	123	89-123		4921.67
USGS-62	165	145-165		4921.28
USGS-63	110	62-110		4923.64
USGS-66	199	158-199		4920.77
USGS-68	128	50-128		4920.37
USGS-69	115	95-115		4923.53
USGS-70	100	54.5100		4916.84
USGS-71	184	141.82-150.42 156.17-175.5		4923.72
USGS-72	200	135-160		4920.65
USGS-73	127	62-127		4928.35

Table F-2. Aquifer well completions.

Well Name	Total Depth (ft)	Open Interval (ft)	Depth to Water (ft blsd)	Land Elevation (ft amsl)
MTR-TEST	588	447-588	462.2	4917.15
SITE-19	865	472.4-512.4 532.6-572.5 596.7-616.7 780.7-862.6	471.6	4926.33
TRA-6	562	528-558	~469	4927.10
TRA-7	501	463-493	477.1	4931.56
TRA-8	501.5	471.5-501.5	~474	4934.93
TRA-disp	1267	512-697 935-1070 1183-1267	468.9	4923.07
USGS-58	503	218-503	463.8	4918.37
USGS-65	498	~456-493	468.2	4925.01
USGS-76	718	457-718	476.9	4929.70
USGS-79	709	281-702	477.1	4917.15
blsd - below land surface datum amsl - above mean sea level				